

# FEDERAL OPERATING PERMIT

A FEDERAL OPERATING PERMIT IS HEREBY ISSUED TO  
Lion Elastomers LLC

AUTHORIZING THE OPERATION OF  
Port Neches Plant  
Synthetic Rubber Manufacturing

LOCATED AT  
Jefferson County, Texas  
Latitude 29° 59' 15" Longitude 93° 56' 42"  
Regulated Entity Number: RN100224799

This permit is issued in accordance with and subject to the Texas Clean Air Act (TCAA), Chapter 382 of the Texas Health and Safety Code and Title 30 Texas Administrative Code Chapter 122 (30 TAC Chapter 122), Federal Operating Permits. Under 30 TAC Chapter 122, this permit constitutes the permit holder's authority to operate the site and emission units listed in this permit. Operations of the site and emission units listed in this permit are subject to all additional rules or amended rules and orders of the Commission pursuant to the TCAA.

This permit does not relieve the permit holder from the responsibility of obtaining New Source Review authorization for new, modified, or existing facilities in accordance with 30 TAC Chapter 116, Control of Air Pollution by Permits for New Construction or Modification.

The site and emission units authorized by this permit shall be operated in accordance with 30 TAC Chapter 122, the general terms and conditions, special terms and conditions, and attachments contained herein.

This permit shall expire five years from the date of issuance. The renewal requirements specified in 30 TAC § 122.241 must be satisfied in order to renew the authorization to operate the site and emission units.

Permit No: O1224 Issuance Date: \_\_\_\_\_

\_\_\_\_\_  
For the Commission

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## **General Terms and Conditions**

The permit holder shall comply with all terms and conditions contained in 30 TAC § 122.143 (General Terms and Conditions), 30 TAC § 122.144 (Recordkeeping Terms and Conditions), 30 TAC § 122.145 (Reporting Terms and Conditions), and 30 TAC § 122.146 (Compliance Certification Terms and Conditions).

In accordance with 30 TAC § 122.144(1), records of required monitoring data and support information required by this permit, or any applicable requirement codified in this permit, are required to be maintained for a period of five years from the date of the monitoring report, sample, or application unless a longer data retention period is specified in an applicable requirement. The five year record retention period supersedes any less stringent retention requirement that may be specified in a condition of a permit identified in the New Source Review Authorization attachment.

If the permit holder chooses to demonstrate that this permit is no longer required, a written request to void this permit shall be submitted to the Texas Commission on Environmental Quality (TCEQ) by the Responsible Official in accordance with 30 TAC § 122.161(e). The permit holder shall comply with the permit's requirements, including compliance certification and deviation reporting, until notified by the TCEQ that this permit is voided.

The permit holder shall comply with 30 TAC Chapter 116 by obtaining a New Source Review authorization prior to new construction or modification of emission units located in the area covered by this permit.

All reports required by this permit must include in the submittal a cover letter which identifies the following information: company name, TCEQ regulated entity number, air account number (if assigned), site name, area name (if applicable), and Air Permits Division permit number(s).

## **Special Terms and Conditions:**

### **Emission Limitations and Standards, Monitoring and Testing, and Recordkeeping and Reporting**

1. Permit holder shall comply with the following requirements:
  - A. Emission units (including groups and processes) in the Applicable Requirements Summary attachment shall meet the limitations, standards, equipment specifications, monitoring, recordkeeping, reporting, testing, and other requirements listed in the Applicable Requirements Summary attachment to assure compliance with the permit.
  - B. The textual description in the column titled "Textual Description" in the Applicable Requirements Summary attachment is not enforceable and is not deemed as a substitute for the actual regulatory language. The Textual Description is provided for information purposes only.
  - C. A citation listed on the Applicable Requirements Summary attachment, which has a notation [G] listed before it, shall include the referenced section and subsection for all commission rules, or paragraphs for all federal and state regulations and all subordinate paragraphs, subparagraphs and clauses, subclauses, and items contained within the referenced citation as applicable requirements.
  - D. When a grouped citation, notated with a [G] in the Applicable Requirements Summary, contains multiple compliance options, the permit holder must keep records of when each compliance option was used.

- E. Emission units subject to 40 CFR Part 63, Subpart H as identified in the attached Applicable Requirements Summary table are subject to 30 TAC Chapter 113, Subchapter C, § 113.130 which incorporates the 40 CFR Part 63 Subpart by reference.
  - F. Emission units subject to 40 CFR Part 63, Subpart U as identified in the attached Applicable Requirements Summary table are subject to 30 TAC Chapter 113, Subchapter C, § 113.260 which incorporates the 40 CFR Part 63 Subpart by reference.
  - G. Emission units subject to 40 CFR Part 63, Subpart ZZZZ as identified in the attached Applicable Requirements Summary table are subject to 30 TAC Chapter 113, Subchapter C, § 113.1090 which incorporates the 40 CFR Part 63 Subpart by reference.
2. The permit holder shall comply with the following sections of 30 TAC Chapter 101 (General Air Quality Rules):
- A. Title 30 TAC § 101.1 (relating to Definitions), insofar as the terms defined in this section are used to define the terms used in other applicable requirements
  - B. Title 30 TAC § 101.3 (relating to Circumvention)
  - C. Title 30 TAC § 101.8 (relating to Sampling), if such action has been requested by the TCEQ
  - D. Title 30 TAC § 101.9 (relating to Sampling Ports), if such action has been requested by the TCEQ
  - E. Title 30 TAC § 101.10 (relating to Emissions Inventory Requirements)
  - F. Title 30 TAC § 101.201 (relating to Emission Event Reporting and Recordkeeping Requirements)
  - G. Title 30 TAC § 101.211 (relating to Scheduled Maintenance, Start-up, and Shutdown Reporting and Recordkeeping Requirements)
  - H. Title 30 TAC § 101.221 (relating to Operational Requirements)
  - I. Title 30 TAC § 101.222 (relating to Demonstrations)
  - J. Title 30 TAC § 101.223 (relating to Actions to Reduce Excessive Emissions)
3. Permit holder shall comply with the following requirements of 30 TAC Chapter 111:
- A. Visible emissions from stationary vents with a flow rate of less than 100,000 actual cubic feet per minute and constructed after January 31, 1972 that are not listed in the Applicable Requirements Summary attachment for 30 TAC Chapter 111, Subchapter A, Division 1, shall not exceed 20% opacity averaged over a six-minute period. The permit holder shall comply with the following requirements for stationary vents at the site subject to this standard:
    - (i) Title 30 TAC § 111.111(a)(1)(B) (relating to Requirements for Specified Sources)
    - (ii) Title 30 TAC § 111.111(a)(1)(E)
    - (iii) Title 30 TAC § 111.111(a)(1)(F)(i), (ii), (iii), or (iv)

- (iv) For emission units with vent emissions subject to 30 TAC § 111.111(a)(1)(B), complying with 30 TAC § 111.111(a)(1)(F)(ii), (iii), or (iv), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO<sub>x</sub>, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146. These periodic monitoring requirements do not apply to vents that are not capable of producing visible emissions such as vents that emit only colorless VOCs; vents from non-fuming liquids; vents that provide passive ventilation, such as plumbing vents; or vent emissions from any other source that does not obstruct the transmission of light. Vents, as specified in the “Applicable Requirements Summary” attachment, that are subject to the emission limitation of 30 TAC § 111.111(a)(1)(B) are not subject to the following periodic monitoring requirements:
- (1) An observation of stationary vents from emission units in operation shall be conducted at least once during each calendar quarter unless the emission unit is not operating for the entire quarter.
  - (2) For stationary vents from a combustion source, if an alternative to the normally fired fuel is fired for a period greater than or equal to 24 consecutive hours, the permit holder shall conduct an observation of the stationary vent for each such period to determine if visible emissions are present. If such period is greater than 3 months, observations shall be conducted once during each quarter. Supplementing the normally fired fuel with natural gas or fuel gas to increase the net heating value to the minimum required value does not constitute creation of an alternative fuel.
  - (3) Records of all observations shall be maintained.
  - (4) Visible emissions observations of emission units operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of emission units operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions observations shall be made during times when the activities described in 30 TAC § 111.111(a)(1)(E) are not taking place. Visible emissions shall be determined with each stationary vent in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each stationary vent during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer’s eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.
  - (5) Compliance Certification:
    - (a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(1) and (a)(1)(B).

- (b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(1)(F) as soon as practicable, but no later than 24 hours after observing visible emissions to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the source is determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader.
  - (c) Some vents may be subject to multiple visible emission or monitoring requirements. All credible data must be considered when certifying compliance with this requirement even if the observation or monitoring was performed to demonstrate compliance with a different requirement.
- B. For visible emissions from a building, enclosed facility, or other structure; the permit holder shall comply with the following requirements:
  - (i) Title 30 TAC § 111.111(a)(7)(A) (relating to Requirements for Specified Sources)
  - (ii) Title 30 TAC § 111.111(a)(7)(B)(i) or (ii)
  - (iii) For a building containing an air emission source, enclosed facility, or other structure containing or associated with an air emission source subject to 30 TAC § 111.111(a)(7)(A), complying with 30 TAC § 111.111(a)(7)(B)(i) or (ii), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO<sub>x</sub>, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146:
    - (1) An observation of visible emissions from a building containing an air emission source, enclosed facility, or other structure containing or associated with an air emission source which is required to comply with 30 TAC § 111.111(a)(7)(A) shall be conducted at least once during each calendar quarter unless the air emission source or enclosed facility is not operating for the entire quarter.
    - (2) Records of all observations shall be maintained.
    - (3) Visible emissions observations of air emission sources or enclosed facilities operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of air emission sources or enclosed facilities operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions shall be determined with each emissions outlet in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each emissions outlet during the observation. For outdoor locations, the observer shall select a position where the sun is

not directly in the observer's eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.

(4) Compliance Certification:

- (a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(7) and (a)(7)(A)
- (b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(7)(B) as soon as practicable, but no later than 24 hours after observing visible emissions to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the source is determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader.

C. Emission limits on nonagricultural processes, except for the steam generators specified in 30 TAC § 111.153, shall comply with the following requirements:

- (i) Emissions of PM from any source may not exceed the allowable rates as required in 30 TAC § 111.151(a) (relating to Allowable Emissions Limits)
- (ii) Sources with an effective stack height ( $h_e$ ) less than the standard effective stack height ( $H_e$ ), must reduce the allowable emission level by multiplying it by  $[h_e/H_e]^2$  as required in 30 TAC § 111.151(b)
- (iii) Effective stack height shall be calculated by the equation specified in 30 TAC § 111.151(c)

D. Outdoor burning, as stated in 30 TAC § 111.201, shall not be authorized unless the following requirements are satisfied:

- (i) Title 30 TAC § 111.205 (relating to Exception for Fire Training)
- (ii) Title 30 TAC § 111.221 (relating to Responsibility for Consequences of Outdoor Burning)

4. For storage vessels maintaining working pressure as specified in 30 TAC Chapter 115, Subchapter B, Division 1: "Storage of Volatile Organic Compounds," the permit holder shall comply with the requirements of 30 TAC § 115.112(a)(1).
5. Permit holder shall comply with the following 30 TAC Chapter 115, Subchapter C requirements:
  - A. When filling stationary gasoline storage vessels (Stage I) for motor vehicle fuel dispensing facilities, constructed prior to November 15, 1992, with transfers to stationary storage tanks located at a facility which has dispensed no more than 10,000 gallons of gasoline in any calendar month after January 1, 1991, the permit holder shall comply with the following requirements specified in 30 TAC Chapter 115, Subchapter C:
    - (i) Title 30 TAC § 115.222(3) (relating to Control Requirements), as it applies to liquid gasoline leaks, visible vapors, or significant odors
    - (ii) Title 30 TAC § 115.222(6) (relating to Control Requirements)
    - (iii) Title 30 TAC § 115.224(1) (relating to Inspection Requirements), as it applies to liquid gasoline leaks, visible vapors, or significant odors
    - (iv) Title 30 TAC § 115.226(2)(B) (relating to Recordkeeping Requirements)
6. The permit holder shall comply with the following 30 TAC Chapter 115, Subchapter F requirements (relating to Cutback Asphalt Requirements):
  - A. Title 30 TAC § 115.512(1) (relating to Control Requirements)
  - B. Title 30 TAC § 115.512(2) (relating to Control Requirements)
  - C. Title 30 TAC § 115.515 (relating to Testing Requirements)
7. The permit holder shall comply with the following requirements for units subject to any subpart of 40 CFR Part 60, unless otherwise stated in the applicable subpart:
  - A. Title 40 CFR § 60.7 (relating to Notification and Recordkeeping)
  - B. Title 40 CFR § 60.8 (relating to Performance Tests)
  - C. Title 40 CFR § 60.11 (relating to Compliance with Standards and Maintenance Requirements)
  - D. Title 40 CFR § 60.12 (relating to Circumvention)
  - E. Title 40 CFR § 60.13 (relating to Monitoring Requirements)
  - F. Title 40 CFR § 60.14 (relating to Modification)
  - G. Title 40 CFR § 60.15 (relating to Reconstruction)
  - H. Title 40 CFR § 60.19 (relating to General Notification and Reporting Requirements)
8. The permit holder shall comply with the following requirements for units subject to any subpart of 40 CFR Part 61, unless otherwise stated in the applicable subpart:
  - A. Title 40 CFR § 61.05 (relating to Prohibited Activities)



- B. Title 40 CFR § 61.07 (relating to Application for Approval of Construction or Modification)
  - C. Title 40 CFR § 61.09 (relating to Notification of Start-up)
  - D. Title 40 CFR § 61.10 (relating to Source Reporting and Request Waiver)
  - E. Title 40 CFR § 61.12 (relating to Compliance with Standards and Maintenance Requirements)
  - F. Title 40 CFR § 61.13 (relating to Emissions Tests and Waiver of Emission Tests)
  - G. Title 40 CFR § 61.14 (relating to Monitoring Requirements)
  - H. Title 40 CFR § 61.15 (relating to Modification)
  - I. Title 40 CFR § 61.19 (relating to Circumvention)
9. For the National Emissions Standards for Asbestos specified in 40 CFR Part 61, Subpart M, the permit holder shall comply with the following requirements:
  10. The permit holder shall comply with the requirements of 30 TAC Chapter 113, Subchapter C, § 113.100 for units subject to any subpart of 40 CFR Part 63, unless otherwise stated in the applicable subpart.
  11. For elastomer product process facilities subject to maintenance wastewater requirements as specified in 40 CFR § 63.501(b), the permit holder shall comply with the requirements of 40 CFR § 63.105(b) - (e) (relating to Maintenance Wastewater Requirements) (Title 30 TAC Chapter 113, Subchapter C, § 113.260 incorporated by reference).
  12. For the elastomer product process facilities with Group 2 wastewater streams subject to wastewater operations requirements in 40 CFR Part 63, Subpart U, the permit holder shall comply with the requirements of 40 CFR § 63.132(a), (a)(1), (a)(1)(i), and (a)(3) as specified in § 63.501(a) (Title 30 TAC Chapter 113, Subchapter C, § 113.260 incorporated by reference).

#### **Additional Monitoring Requirements**

13. The permit holder shall comply with the periodic monitoring requirements as specified in the attached "Periodic Monitoring Summary" upon issuance of the permit. Except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the permit holder shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the pollutant-specific emissions unit is operating. The permit holder may elect to collect monitoring data on a more frequent basis and average the data, consistent with the averaging time or minimum frequency specified in the "Periodic Monitoring Summary," for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis. In no event shall data be collected and used in particular instances to avoid reporting deviations. Deviations shall be reported according to 30 TAC § 122.145 (Reporting Terms and Conditions).

#### **New Source Review Authorization Requirements**

14. Permit holder shall comply with the requirements of New Source Review authorizations issued or claimed by the permit holder for the permitted area, including permits, permits by rule, standard permits, flexible permits, special permits, permits for existing facilities including Voluntary Emissions Reduction Permits and Electric Generating Facility Permits issued under

30 TAC Chapter 116, Subchapter I, or special exemptions referenced in the New Source Review Authorization References attachment. These requirements:

- A. Are incorporated by reference into this permit as applicable requirements
  - B. Shall be located with this operating permit
  - C. Are not eligible for a permit shield
15. The permit holder shall comply with the general requirements of 30 TAC Chapter 106, Subchapter A or the general requirements, if any, in effect at the time of the claim of any PBR.
16. The permit holder shall maintain records to demonstrate compliance with any emission limitation or standard that is specified in a permit by rule (PBR) or Standard Permit listed in the New Source Review Authorizations attachment. The records shall yield reliable data from the relevant time period that are representative of the emission unit's compliance with the PBR or Standard Permit. These records may include, but are not limited to, production capacity and throughput, hours of operation, safety data sheets (SDS), chemical composition of raw materials, speciation of air contaminant data, engineering calculations, maintenance records, fugitive data, performance tests, capture/control device efficiencies, direct pollutant monitoring (CEMS, COMS, or PEMS), or control device parametric monitoring. These records shall be made readily accessible and available as required by 30 TAC § 122.144. Any monitoring or recordkeeping data indicating noncompliance with the PBR or Standard Permit shall be considered and reported as a deviation according to 30 TAC § 122.145 (Reporting Terms and Conditions).

#### **Compliance Requirements**

17. The permit holder shall certify compliance in accordance with 30 TAC § 122.146. The permit holder shall comply with 30 TAC § 122.146 using at a minimum, but not limited to, the continuous or intermittent compliance method data from monitoring, recordkeeping, reporting, or testing required by the permit and any other credible evidence or information. The certification period may not exceed 12 months and the certification must be submitted within 30 days after the end of the period being certified.
18. Permit holder shall comply with the following 30 TAC Chapter 117 requirements:
- A. The permit holder shall comply with the compliance schedules and submit written notification to the TCEQ Executive Director as required in 30 TAC Chapter 117, Subchapter H, Division 1:
    - (i) For sources in the Beaumont-Port Arthur Nonattainment area, 30 TAC § 117.9000
  - B. The permit holder shall comply with the Initial Control Plan unit listing requirement in 30 TAC § 117.150(c) and (c)(1).
19. Use of Emission Credits to comply with applicable requirements:
- A. Unless otherwise prohibited, the permit holder may use emission credits to comply with the following applicable requirements listed elsewhere in this permit:
    - (i) Title 30 TAC Chapter 115
    - (ii) Title 30 TAC Chapter 117

- (iii) Offsets for Title 30 TAC Chapter 116
  - B. The permit holder shall comply with the following requirements in order to use the emission credits to comply with the applicable requirements:
    - (i) The permit holder must notify the TCEQ according to 30 TAC § 101.306(c)-(d)
    - (ii) The emission credits to be used must meet all the geographic, timeliness, applicable pollutant type, and availability requirements listed in 30 TAC Chapter 101, Subchapter H, Division 1
    - (iii) The executive director has approved the use of the credit according to 30 TAC § 101.306(c)-(d)
    - (iv) The permit holder keeps records of the use of credits towards compliance with the applicable requirements in accordance with 30 TAC § 101.302(g) and 30 TAC Chapter 122
    - (v) Title 30 TAC § 101.305 (relating to Emission Reductions Achieved Outside the United States)
20. Use of Discrete Emission Credits to comply with the applicable requirements:
- A. Unless otherwise prohibited, the permit holder may use discrete emission credits to comply with the following applicable requirements listed elsewhere in this permit:
    - (i) Title 30 TAC Chapter 115
    - (ii) Title 30 TAC Chapter 117
    - (iii) If applicable, offsets for Title 30 TAC Chapter 116
    - (iv) Temporarily exceed state NSR permit allowables
  - B. The permit holder shall comply with the following requirements in order to use the credit to comply with the applicable requirements:
    - (i) The permit holder must notify the TCEQ according to 30 TAC § 101.376(d)
    - (ii) The discrete emission credits to be used must meet all the geographic, timeliness, applicable pollutant type, and availability requirements listed in 30 TAC Chapter 101, Subchapter H, Division 4
    - (iii) The executive director has approved the use of the discrete emission credits according to 30 TAC § 101.376(d)(1)(A)
    - (iv) The permit holder keeps records of the use of credits towards compliance with the applicable requirements in accordance with 30 TAC § 101.372(h) and 30 TAC Chapter 122
    - (v) Title 30 TAC § 101.375 (relating to Emission Reductions Achieved Outside the United States)

### **Risk Management Plan**

21. For processes subject to 40 CFR Part 68 and specified in 40 CFR § 68.10, the permit holder shall comply with the requirements of the Accidental Release Prevention Provisions in 40 CFR Part 68. The permit holder shall submit to the appropriate agency either a compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR § 68.10(a), or as part of the compliance certification submitted under this permit, a certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of a risk management plan.

### **Protection of Stratospheric Ozone**

22. Permit holders at a site subject to Title VI of the FCAA Amendments shall meet the following requirements for protection of stratospheric ozone:
  - A. Any on site servicing, maintenance, and repair on refrigeration and nonmotor vehicle air-conditioning appliances using ozone-depleting refrigerants or non-exempt substitutes shall be conducted in accordance with 40 CFR Part 82, Subpart F. Permit holders shall ensure that repairs on or refrigerant removal from refrigeration and nonmotor vehicle air-conditioning appliances using ozone-depleting refrigerants are performed only by properly certified technicians using certified equipment. Records shall be maintained as required by 40 CFR Part 82, Subpart F.

### **Permit Location**

23. The permit holder shall maintain a copy of this permit and records related to requirements listed in this permit on site.

#### **Attachments**

**Applicable Requirements Summary**

**Additional Monitoring Requirements**

**New Source Review Authorization References**

### **Applicable Requirements Summary**

|                           |           |
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|  |           |
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Note: A “none” entry may be noted for some emission sources in this permit’s “Applicable Requirements Summary” under the heading of “Monitoring and Testing Requirements” and/or “Recordkeeping Requirements” and/or “Reporting Requirements.” Such a notation indicates that there are no requirements for the indicated emission source as identified under the respective column heading(s) for the stated portion of the regulation when the emission source is operating under the conditions of the specified SOP Index Number. However, other relevant requirements pursuant to 30 TAC Chapter 122 including Recordkeeping Terms and Conditions (30 TAC § 122.144), Reporting Terms and Conditions (30 TAC § 122.145), and Compliance Certification Terms and Conditions (30 TAC § 122.146) continue to apply.

### Unit Summary

| Unit/Group/<br>Process ID No. | Unit Type             | Group/Inclusive Units | SOP Index<br>No. | Regulation                          | Requirement Driver      |
|-------------------------------|-----------------------|-----------------------|------------------|-------------------------------------|-------------------------|
| 39-0013                       | Storage Tanks/Vessels | N/A                   | Primary          | 30 TAC Chapter 115, Storage of VOCs | No changing attributes. |
| 39-0013                       | Storage Tanks/Vessels | N/A                   | Primary          | 40 CFR Part 63, Subpart U           | No changing attributes. |
| 39-0014                       | Storage Tanks/Vessels | N/A                   | Primary          | 30 TAC Chapter 115, Storage of VOCs | No changing attributes. |
| 39-0014                       | Storage Tanks/Vessels | N/A                   | Primary          | 40 CFR Part 63, Subpart U           | No changing attributes. |
| 39-0015                       | Storage Tanks/Vessels | N/A                   | Primary          | 30 TAC Chapter 115, Storage of VOCs | No changing attributes. |
| 39-0015                       | Storage Tanks/Vessels | N/A                   | Primary          | 40 CFR Part 63, Subpart U           | No changing attributes. |
| 39-0016                       | Storage Tanks/Vessels | N/A                   | Primary          | 30 TAC Chapter 115, Storage of VOCs | No changing attributes. |
| 39-0016                       | Storage Tanks/Vessels | N/A                   | Primary          | 40 CFR Part 63, Subpart U           | No changing attributes. |
| 39-0167                       | Storage Tanks/Vessels | N/A                   | Primary          | 40 CFR Part 63, Subpart U           | No changing attributes. |
| 39-0189                       | Storage Tanks/Vessels | N/A                   | Primary          | 30 TAC Chapter 115, Storage of VOCs | No changing attributes. |
| 39-0189                       | Storage Tanks/Vessels | N/A                   | Primary          | 40 CFR Part 63, Subpart U           | No changing attributes. |
| 39-0190                       | Storage Tanks/Vessels | N/A                   | Primary          | 30 TAC Chapter 115, Storage of VOCs | No changing attributes. |
| 39-0190                       | Storage Tanks/Vessels | N/A                   | Primary          | 40 CFR Part 63, Subpart U           | No changing attributes. |
| 39-0195                       | Storage Tanks/Vessels | N/A                   | Primary          | 30 TAC Chapter 115, Storage of VOCs | No changing attributes. |
| 39-0195                       | Storage Tanks/Vessels | N/A                   | Primary          | 40 CFR Part 63, Subpart U           | No changing attributes. |
| 40-0193                       | Storage Tanks/Vessels | N/A                   | Primary          | 30 TAC Chapter 115, Storage of VOCs | No changing attributes. |
| 40-0193                       | Storage Tanks/Vessels | N/A                   | Primary          | 40 CFR Part 63, Subpart U           | No changing attributes. |
| 40-0234                       | Storage Tanks/Vessels | N/A                   | Primary          | 30 TAC Chapter 115, Storage         | No changing attributes. |

### Unit Summary

| Unit/Group/<br>Process ID No. | Unit Type   | Group/Inclusive Units   | SOP Index<br>No. | Regulation  | Requirement Driver      |
|-------------------------------|---|---|------------------|---|-------------------------|
|                               |   |   |                  | of VOCs   |                         |
| 40-0234                       | Storage Tanks/Vessels                                 | N/A   | Primary          | 40 CFR Part 63, Subpart U                             | No changing attributes. |
| 40-0235                       | Storage Tanks/Vessels                                 | N/A   | Primary          | 30 TAC Chapter 115, Storage<br>of VOCs                | No changing attributes. |
| 40-0235                       | Storage Tanks/Vessels                                 | N/A   | Primary          | 40 CFR Part 63, Subpart U                             | No changing attributes. |
| AIRCOMP                       | SRIC Engines  | N/A   | 63ZZZZ           | 40 CFR Part 63, Subpart ZZZZ                          | No changing attributes. |
| BOILER 2                      | Boilers/Steam<br>Generators/Steam<br>Generating Units | N/A   | 60Dc-1           | 40 CFR Part 60, Subpart Dc                            | No changing attributes. |
| DOCKFLARE                     | Flares  | N/A   | Primary          | 30 TAC Chapter 111, Visible<br>Emissions              | No changing attributes. |
| EPPU 1                        | Chemical Manufacturing<br>Process                     | N/A   | 63U-ALL          | 40 CFR Part 63, Subpart U                             | No changing attributes. |
| F-RFBASIN                     | Storage Tanks/Vessels                                 | N/A   | 63U              | 40 CFR Part 63, Subpart U                             | No changing attributes. |
| F-SKIM                        | Storage Tanks/Vessels                                 | N/A   | 63U              | 40 CFR Part 63, Subpart U                             | No changing attributes. |
| FWPUMP                        | SRIC Engines  | N/A   | 63ZZZZ           | 40 CFR Part 63, Subpart ZZZZ                          | No changing attributes. |
| GRP-DRYER                     | Emission Points/Stationary<br>Vents/Process Vents     | S-DRYERA, S-DRYERB, S-DRYERC, S-<br>DRYERD, S-DRYERE, S-DRYERF, S-<br>DRYERG, S-DRYERH, S-DRYERI, S-<br>DRYERJ                          | R1111-1          | 30 TAC Chapter 111, Visible<br>Emissions              | No changing attributes. |
| GRP-DRYER                     | Emission Points/Stationary<br>Vents/Process Vents     | S-DRYERA, S-DRYERB, S-DRYERC, S-<br>DRYERD, S-DRYERE, S-DRYERF, S-<br>DRYERG, S-DRYERH, S-DRYERI, S-<br>DRYERJ                          | Primary          | 30 TAC Chapter 115, Vent Gas<br>Controls              | No changing attributes. |
| GRP-FUG                       | Fugitive Emission Units                               | DOCK FUGT, F-MONTF, F-REACCA, F-<br>REACCB, F-REACCC, F-REACDA, F-<br>REACDB, F-RECOVCA, F-RECOVCB, F-<br>RECOVCC, F-RECOVDA, F-RECOVDB | R5352-ALL        | 30 TAC Chapter 115, Pet.<br>Refinery & Petrochemicals | No changing attributes. |



### Unit Summary

| Unit/Group/<br>Process ID No. | Unit Type                                      | Group/Inclusive Units  | SOP Index<br>No. | Regulation                            | Requirement Driver      |
|-------------------------------|--|--|------------------|---------------------------------------|-------------------------|
| GRP-FUG                       | Fugitive Emission Units                        | DOCK FUGT, F-MONTF, F-REACCA, F-REACCB, F-REACCC, F-REACDA, F-REACDB, F-RECOVCA, F-RECOVCB, F-RECOVCC, F-RECOVDA, F-RECOVDB  | 63H-ALL          | 40 CFR Part 63, Subpart H             | No changing attributes. |
| GRPHI1-2                      | Storage Tanks/Vessels                          | 39-0215, 39-0372, 39-0374, 39-0381, 39-0382, 40-0229, 40-0230, 40-0231, 40-0232  | Primary          | 30 TAC Chapter 115, Storage of VOCs   | No changing attributes. |
| GRPHI1-2                      | Storage Tanks/Vessels                          | 39-0215, 39-0372, 39-0374, 39-0381, 39-0382, 40-0229, 40-0230, 40-0231, 40-0232  | Primary          | 40 CFR Part 63, Subpart U             | No changing attributes. |
| GRPLOWCAP1                    | Storage Tanks/Vessels                          | 39-0176, 40-0213   | Primary          | 40 CFR Part 63, Subpart U             | No changing attributes. |
| GRP-MACTU                     | Storage Tanks/Vessels                          | F-7CBASIN, F-7DBASIN, F-TFLIFT   | 63U              | 40 CFR Part 63, Subpart U             | No changing attributes. |
| GRPMID1-2                     | Storage Tanks/Vessels                          | 39-0188, 39-0193, 39-0194, 39-0216, 39-0219, 39-0366, 40-0233, 40-0253   | Primary          | 30 TAC Chapter 115, Storage of VOCs   | No changing attributes. |
| GRPMID1-2                     | Storage Tanks/Vessels                          | 39-0188, 39-0193, 39-0194, 39-0216, 39-0219, 39-0366, 40-0233, 40-0253   | Primary          | 40 CFR Part 63, Subpart U             | No changing attributes. |
| GRPMID3-2                     | Storage Tanks/Vessels                          | 39-0213, 39-0214, 39-0217, 40-0252   | Primary          | 30 TAC Chapter 115, Storage of VOCs   | No changing attributes. |
| GRPMID3-2                     | Storage Tanks/Vessels                          | 39-0213, 39-0214, 39-0217, 40-0252   | Primary          | 40 CFR Part 63, Subpart U             | No changing attributes. |
| GRPMIDCAP1                    | Storage Tanks/Vessels                          | 39-0059, 39-0061, 39-0068, 39-0142, 39-0143, 39-0149, 39-0150, 39-0171, 39-0294, 39-0295, 39-0327, 39-0365, 40-0013, 40-0014, 40-0035, 40-0036, 40-0037, 40-0038, 40-0184, 40-0185, 40-0187, 40-0188, 40-0189, 40-0192, 40-0195, 40-0197, 40-0210, 40-0211, 40-0214, 40-0215, 40-0216, 40-0251, 40-0297, 40-0298 | Primary          | 40 CFR Part 63, Subpart U             | No changing attributes. |
| GRP-PROCVENTS                 | Emission Points/Stationary Vents/Process Vents | F-PROCESSC, FPROCESSCC, F-PROCESSD   | R1111-1          | 30 TAC Chapter 111, Visible Emissions | No changing attributes. |

### Unit Summary

| Unit/Group/<br>Process ID No. | Unit Type  | Group/Inclusive Units  | SOP Index<br>No. | Regulation                               | Requirement Driver      |
|-------------------------------|--|--|------------------|--|-------------------------|
| GRP-UDRYERS                   | Chemical Manufacturing<br>Process                  | S-DRYERA, S-DRYERB, S-DRYERC, S-<br>DRYERD, S-DRYERE, S-DRYERF, S-<br>DRYERG, S-DRYERH, S-DRYERI, S-<br>DRYERJ | 63U              | 40 CFR Part 63, Subpart U                | No changing attributes. |
| S-8CCVENT1                    | Emission Points/Stationsary<br>Vents/Process Vents | N/A  | Primary          | 30 TAC Chapter 115, Vent Gas<br>Controls | No changing attributes. |
| S-8CCVENT1                    | Emission Points/Stationsary<br>Vents/Process Vents | N/A  | Primary          | 40 CFR Part 63, Subpart U                | No changing attributes. |
| GRP-VENTC                     | Emission Points/Stationsary<br>Vents/Process Vents | S-0173VENT, S-0174VENT, S-<br>0175VENT, S-0176VENT, S-0396VENT   | Primary          | 30 TAC Chapter 115, Vent Gas<br>Controls | No changing attributes. |
| PLANTFLARE                    | Flares   | N/A  | Primary          | 30 TAC Chapter 111, Visible<br>Emissions | No changing attributes. |
| PLANTFLARE                    | Flares   | N/A  | Primary          | 40 CFR Part 60, Subpart A                | No changing attributes. |
| S-7CDVENT                     | Emission Points/Stationsary<br>Vents/Process Vents | N/A  | R5121-1          | 30 TAC Chapter 115, Vent Gas<br>Controls | No changing attributes. |
| S-7CDVENT                     | Emission Points/Stationsary<br>Vents/Process Vents | N/A  | R5121-2          | 30 TAC Chapter 115, Vent Gas<br>Controls | No changing attributes. |
| S-7CDVENT                     | Emission Points/Stationsary<br>Vents/Process Vents | N/A  | Primary          | 40 CFR Part 63, Subpart U                | No changing attributes. |
| SERVUMP                       | SRIC Engines                                       | N/A  | 63ZZZZ           | 40 CFR Part 63, Subpart ZZZZ             | No changing attributes. |
| UTILGEN2                      | SRIC Engines                                       | N/A  | 63ZZZZ           | 40 CFR Part 63, Subpart ZZZZ             | No changing attributes. |

### Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant   | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.)   | Monitoring And Testing Requirements | Recordkeeping Requirements<br>(30 TAC § 122.144)      | Reporting Requirements<br>(30 TAC § 122.145)                                 |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|---|---|-------------------------------------|---|--|
| 39-0013                   | EU                      | Primary       | VOC         | 30 TAC Chapter 115, Storage of VOCs   | § 115.111(a)(1)   | Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division. | [G]§ 115.117                        | § 115.118(a)(1)<br>§ 115.118(a)(5)<br>§ 115.118(a)(7) | None   |
| 39-0013                   | EU                      | Primary       | 112(B) HAPS | 40 CFR Part 63, Subpart U             | § 63.484(a)<br>§ 63.119(a)(3)<br>[G]§ 63.481(m)                   | For storage vessels at a source, comply with requirements of §63.119 through §63.123 and §63.148, except as noted in § 63.484(c) through (s).               | None                                | § 63.123(a)   | § 63.480(g)(6)<br>§ 63.506(e)(6)(vii)<br>§ 63.506(e)(7)(i)<br>[G]§ 63.506(i) |
| 39-0014                   | EU                      | Primary       | VOC         | 30 TAC Chapter 115, Storage of VOCs   | § 115.111(a)(1)   | Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division. | [G]§ 115.117                        | § 115.118(a)(1)<br>§ 115.118(a)(5)<br>§ 115.118(a)(7) | None   |
| 39-0014                   | EU                      | Primary       | 112(B) HAPS | 40 CFR Part 63, Subpart U             | § 63.484(a)<br>§ 63.119(a)(3)<br>[G]§ 63.481(m)                   | For storage vessels at a source, comply with requirements of §63.119 through §63.123 and §63.148, except as noted in § 63.484(c) through (s).               | None                                | § 63.123(a)   | § 63.480(g)(6)<br>§ 63.506(e)(6)(vii)<br>§ 63.506(e)(7)(i)<br>[G]§ 63.506(i) |
| 39-0015                   | EU                      | Primary       | VOC         | 30 TAC Chapter 115, Storage of VOCs   | § 115.111(a)(1)   | Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division. | [G]§ 115.117                        | § 115.118(a)(1)<br>§ 115.118(a)(5)<br>§ 115.118(a)(7) | None   |
| 39-0015                   | EU                      | Primary       | 112(B) HAPS | 40 CFR Part 63, Subpart U             | § 63.484(a)<br>§ 63.119(a)(3)<br>[G]§ 63.481(m)                   | For storage vessels at a source, comply with requirements of §63.119 through §63.123 and §63.148, except as noted in § 63.484(c) through (s).               | None                                | § 63.123(a)   | § 63.480(g)(6)<br>§ 63.506(e)(6)(vii)<br>§ 63.506(e)(7)(i)<br>[G]§ 63.506(i) |

### Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant   | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.)   | Monitoring And Testing Requirements | Recordkeeping Requirements<br>(30 TAC § 122.144)      | Reporting Requirements<br>(30 TAC § 122.145)                                 |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|---|---|-------------------------------------|---|--|
| 39-0016                   | EU                      | Primary       | VOC         | 30 TAC Chapter 115, Storage of VOCs   | § 115.111(a)(1)   | Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division. | [G]§ 115.117                        | § 115.118(a)(1)<br>§ 115.118(a)(5)<br>§ 115.118(a)(7) | None   |
| 39-0016                   | EU                      | Primary       | 112(B) HAPS | 40 CFR Part 63, Subpart U             | § 63.484(a)<br>§ 63.119(a)(3)<br>[G]§ 63.481(m)                   | For storage vessels at a source, comply with requirements of §63.119 through §63.123 and §63.148, except as noted in § 63.484(c) through (s).               | None                                | § 63.123(a)   | § 63.480(g)(6)<br>§ 63.506(e)(6)(vii)<br>§ 63.506(e)(7)(i)<br>[G]§ 63.506(i) |
| 39-0167                   | EU                      | Primary       | 112(B) HAPS | 40 CFR Part 63, Subpart U             | § 63.484(a)<br>§ 63.119(a)(3)<br>[G]§ 63.481(m)                   | For storage vessels at a source, comply with requirements of §63.119 through §63.123 and §63.148, except as noted in § 63.484(c) through (s).               | None                                | § 63.123(a)   | § 63.480(g)(6)<br>§ 63.506(e)(6)(vii)<br>§ 63.506(e)(7)(i)<br>[G]§ 63.506(i) |
| 39-0189                   | EU                      | Primary       | VOC         | 30 TAC Chapter 115, Storage of VOCs   | § 115.111(a)(1)   | Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division. | [G]§ 115.117                        | § 115.118(a)(1)<br>§ 115.118(a)(5)<br>§ 115.118(a)(7) | None   |
| 39-0189                   | EU                      | Primary       | 112(B) HAPS | 40 CFR Part 63, Subpart U             | § 63.484(a)<br>§ 63.119(a)(3)<br>[G]§ 63.481(m)                   | For storage vessels at a source, comply with requirements of §63.119 through §63.123 and §63.148, except as noted in § 63.484(c) through (s).               | None                                | § 63.123(a)   | § 63.480(g)(6)<br>§ 63.506(e)(6)(vii)<br>§ 63.506(e)(7)(i)<br>[G]§ 63.506(i) |
| 39-0190                   | EU                      | Primary       | VOC         | 30 TAC Chapter 115, Storage of VOCs   | § 115.111(a)(1)   | Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division. | [G]§ 115.117                        | § 115.118(a)(1)<br>§ 115.118(a)(5)<br>§ 115.118(a)(7) | None   |

### Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant   | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.)   | Monitoring And Testing Requirements | Recordkeeping Requirements<br>(30 TAC § 122.144)      | Reporting Requirements<br>(30 TAC § 122.145)                                 |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|---|---|-------------------------------------|---|--|
| 39-0190                   | EU                      | Primary       | 112(B) HAPS | 40 CFR Part 63, Subpart U             | § 63.484(a)<br>§ 63.119(a)(3)<br>[G]§ 63.481(m)                   | For storage vessels at a source, comply with requirements of §63.119 through §63.123 and §63.148, except as noted in § 63.484(c) through (s).               | None                                | § 63.123(a)   | § 63.480(g)(6)<br>§ 63.506(e)(6)(vii)<br>§ 63.506(e)(7)(i)<br>[G]§ 63.506(i) |
| 39-0195                   | EU                      | Primary       | VOC         | 30 TAC Chapter 115, Storage of VOCs   | § 115.111(a)(1)   | Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division. | [G]§ 115.117                        | § 115.118(a)(1)<br>§ 115.118(a)(5)<br>§ 115.118(a)(7) | None   |
| 39-0195                   | EU                      | Primary       | 112(B) HAPS | 40 CFR Part 63, Subpart U             | § 63.484(a)<br>§ 63.119(a)(3)<br>[G]§ 63.481(m)                   | For storage vessels at a source, comply with requirements of §63.119 through §63.123 and §63.148, except as noted in § 63.484(c) through (s).               | None                                | § 63.123(a)   | § 63.480(g)(6)<br>§ 63.506(e)(6)(vii)<br>§ 63.506(e)(7)(i)<br>[G]§ 63.506(i) |
| 40-0193                   | EU                      | Primary       | VOC         | 30 TAC Chapter 115, Storage of VOCs   | § 115.111(a)(1)   | Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division. | [G]§ 115.117                        | § 115.118(a)(1)<br>§ 115.118(a)(5)<br>§ 115.118(a)(7) | None   |
| 40-0193                   | EU                      | Primary       | 112(B) HAPS | 40 CFR Part 63, Subpart U             | § 63.484(a)<br>§ 63.119(a)(3)<br>[G]§ 63.481(m)                   | For storage vessels at a source, comply with requirements of §63.119 through §63.123 and §63.148, except as noted in § 63.484(c) through (s).               | None                                | § 63.123(a)   | § 63.480(g)(6)<br>§ 63.506(e)(6)(vii)<br>§ 63.506(e)(7)(i)<br>[G]§ 63.506(i) |
| 40-0234                   | EU                      | Primary       | VOC         | 30 TAC Chapter 115, Storage of VOCs   | § 115.111(a)(1)   | Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division. | [G]§ 115.117                        | § 115.118(a)(1)<br>§ 115.118(a)(5)<br>§ 115.118(a)(7) | None   |

### Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant   | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation  | Textual Description (See Special Term and Condition 1.B.)  | Monitoring And Testing Requirements   | Recordkeeping Requirements<br>(30 TAC § 122.144)  | Reporting Requirements<br>(30 TAC § 122.145)  |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|--|--|---|---|---|
| 40-0234                   | EU                      | Primary       | 112(B) HAPS | 40 CFR Part 63, Subpart U             | § 63.484(a)<br>§ 63.119(a)(3)<br>[G]§ 63.481(m)  | For storage vessels at a source, comply with requirements of §63.119 through §63.123 and §63.148, except as noted in § 63.484(c) through (s).  | None  | § 63.123(a)   | § 63.480(g)(6)<br>§ 63.506(e)(6)(vii)<br>§ 63.506(e)(7)(i)<br>[G]§ 63.506(i)  |
| 40-0235                   | EU                      | Primary       | VOC         | 30 TAC Chapter 115, Storage of VOCs   | § 115.111(a)(1)  | Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.  | [G]§ 115.117  | § 115.118(a)(1)<br>§ 115.118(a)(5)<br>§ 115.118(a)(7)   | None  |
| 40-0235                   | EU                      | Primary       | 112(B) HAPS | 40 CFR Part 63, Subpart U             | § 63.484(a)<br>§ 63.119(a)(3)<br>[G]§ 63.481(m)  | For storage vessels at a source, comply with requirements of §63.119 through §63.123 and §63.148, except as noted in § 63.484(c) through (s).  | None  | § 63.123(a)   | § 63.480(g)(6)<br>§ 63.506(e)(6)(vii)<br>§ 63.506(e)(7)(i)<br>[G]§ 63.506(i)  |
| AIRCOMP                   | EU                      | 63ZZZZ        | CO          | 40 CFR Part 63, Subpart ZZZZ          | § 63.6602-Table2c.4.b<br>§ 63.6595(a)(1)<br>§ 63.6595(c)<br>§ 63.6604(a)<br>§ 63.6605(a)<br>§ 63.6605(b)<br>§ 63.6625(h)<br>§ 63.6630(a)<br>§ 63.6640(b) | For each existing non-emergency, non-black start CI stationary RICE with a site rating greater than 300 HP and less than or equal to 500 HP, located at a major source, you must reduce CO emissions by 70% or more. | § 63.6612(a)<br>§ 63.6620(a)<br>§ 63.6620(a)-Table4.1.a.i<br>§ 63.6620(a)-Table4.1.a.ii<br>§ 63.6620(a)-Table4.1.a.iii<br>§ 63.6620(b)<br>§ 63.6620(d)<br>§ 63.6620(e)(1)<br>[G]§ 63.6620(e)(2)<br>§ 63.6630(a)-Table5.11.a.i<br>§ 63.6635(a)<br>§ 63.6635(b)<br>§ 63.6640(b) | § 63.6620(i)<br>§ 63.6635(a)<br>§ 63.6635(c)<br>§ 63.6655(a)<br>§ 63.6655(a)(1)<br>§ 63.6655(a)(2)<br>§ 63.6655(a)(3)<br>§ 63.6655(a)(4)<br>§ 63.6655(a)(5)<br>§ 63.6660(a)<br>§ 63.6660(b)<br>§ 63.6660(c) | § 63.6620(i)<br>§ 63.6630(c)<br>§ 63.6640(b)<br>§ 63.6640(e)<br>§ 63.6645(a)<br>§ 63.6645(g)<br>§ 63.6645(h)<br>§ 63.6650(a)<br>§ 63.6650(a)-Table7.1.a.i<br>§ 63.6650(a)-Table7.1.b<br>§ 63.6650(a)-Table7.1.c<br>§ 63.6650(b)<br>§ 63.6650(b)(1)<br>§ 63.6650(b)(2)<br>§ 63.6650(b)(3)<br>§ 63.6650(b)(4)<br>[G]§ 63.6650(c)<br>[G]§ 63.6650(d)<br>§ 63.6650(f) |

### Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant       | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation   | Textual Description (See Special Term and Condition 1.B.)   | Monitoring And Testing Requirements  | Recordkeeping Requirements<br>(30 TAC § 122.144)  | Reporting Requirements<br>(30 TAC § 122.145)   |
|---------------------------|-------------------------|---------------|-----------------|---------------------------------------|---|---|--|---|--|
| BOILER 2                  | EU                      | 60Dc-1        | SO <sub>2</sub> | 40 CFR Part 60, Subpart Dc            | § 60.40c(a)   | This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW). | None   | § 60.48c(g)(1)<br>§ 60.48c(g)(2)<br>§ 60.48c(g)(3)<br>§ 60.48c(i)   | [G]§ 60.48c(a)<br>§ 60.48c(j)  |
| BOILER 2                  | EU                      | 60Dc-1        | PM              | 40 CFR Part 60, Subpart Dc            | § 60.40c(a)   | This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW). | None   | § 60.48c(g)(1)<br>§ 60.48c(g)(2)<br>§ 60.48c(g)(3)<br>§ 60.48c(i)   | [G]§ 60.48c(a)<br>§ 60.48c(j)  |
| BOILER 2                  | EU                      | 60Dc-1        | PM (Opacity)    | 40 CFR Part 60, Subpart Dc            | § 60.40c(a)   | This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW). | None   | § 60.48c(g)(1)<br>§ 60.48c(g)(2)<br>§ 60.48c(g)(3)<br>§ 60.48c(i)   | [G]§ 60.48c(a)<br>§ 60.48c(j)  |
| DOCKFLARE                 | EU                      | Primary       | Opacity         | 30 TAC Chapter 111, Visible Emissions | § 111.111(a)(4)(A)  | Visible emissions from a process gas flare shall not be permitted for more than five minutes in any two-hour period, except for upset emissions as provided in §101.222(b).         | § 111.111(a)(4)(A)(i)<br>§ 111.111(a)(4)(A)(ii)  | § 111.111(a)(4)(A)(ii)  | None   |
| EPPU 1                    | PRO                     | 63U-ALL       | 112(B) HAPS     | 40 CFR Part 63, Subpart U             | § 63.480(f)(1)(iv)<br>§ 63.480(f)(9)<br>§ 63.480(j)<br>§ 63.480(j)(1)<br>§ 63.480(j)(2)<br>§ 63.480(j)(3)<br>§ 63.480(j)(4)<br>[G]§ 63.480(j)(4)(i)<br>§ 63.480(j)(4)(ii) | If the primary product of a process unit is an elastomer product, then that process unit shall be designated as an EPPU.  | § 63.504(a)<br>[G]§ 63.504(a)(1)<br>§ 63.504(a)(5)<br>§ 63.504(b)<br>§ 63.506(h)(1)(i)<br>[G]§ 63.506(h)(1)(ii)<br>§ 63.506(h)(1)(iii)<br>§ 63.506(h)(1)(iv)<br>[G]§ 63.506(h)(1)(v) | [G]§ 63.506(a)<br>§ 63.506(b)<br>§ 63.506(b)(1)<br>[G]§ 63.506(b)(1)(i)<br>§ 63.506(h)<br>§ 63.506(h)(1)<br>§ 63.506(h)(1)(i)<br>[G]§ 63.506(h)(1)(ii)<br>§ 63.506(h)(1)(iii) | § 63.480(f)(8)<br>§ 63.480(f)(8)(i)<br>§ 63.480(f)(9)<br>§ 63.480(h)(6)<br>§ 63.480(j)(4)(ii)<br>[G]§ 63.481(e)<br>§ 63.504(a)(4)<br>§ 63.506(b)<br>§ 63.506(b)(1) |

### Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements<br><br>(30 TAC § 122.144)   | Reporting Requirements<br><br>(30 TAC § 122.145)  |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|---|---|-------------------------------------|--|---|
|                           |                         |               |           |                                       | § 63.506(e)(1)  |   |                                     | [G]§ 63.506(h)(1)(v)<br>[G]§ 63.506(h)(1)(vi)<br>§ 63.506(h)(2)<br>§ 63.506(h)(2)(ii)<br>§ 63.506(h)(2)(iii) | § 63.506(b)(1)(ii)<br>§ 63.506(e)<br>[G]§ 63.506(e)(1)(iii)<br>§ 63.506(e)(2)<br>[G]§ 63.506(e)(3)(ix)<br>§ 63.506(e)(5)<br>[G]§ 63.506(e)(5)(i)<br>§ 63.506(e)(5)(ii)<br>§ 63.506(e)(5)(ii)(A)<br>§ 63.506(e)(5)(ii)(B)<br>§ 63.506(e)(5)(ii)(C)<br>§ 63.506(e)(5)(ii)(E)<br>§ 63.506(e)(5)(v)<br>§ 63.506(e)(5)(vi)<br>§ 63.506(e)(5)(viii)<br>§ 63.506(e)(5)(x)<br>§ 63.506(e)(5)(xii)<br>§ 63.506(e)(6)<br>§ 63.506(e)(6)(i)<br>§ 63.506(e)(6)(ii)<br>§ 63.506(e)(6)(iii)<br>§ 63.506(e)(6)(iii)(A)<br>§ 63.506(e)(6)(iii)(B)<br>§ 63.506(e)(6)(iii)(D)(2)<br>[G]§ 63.506(e)(6)(iii)(D)(3)<br>§ 63.506(e)(6)(iii)(E)<br>§ 63.506(e)(6)(ix)<br>[G]§ 63.506(e)(6)(v)<br>§ 63.506(e)(6)(vi)<br>§ 63.506(e)(6)(viii)<br>§ 63.506(e)(6)(x)<br>[G]§ 63.506(e)(6)(xii)<br>§ 63.506(e)(7)<br>§ 63.506(e)(7)(iv)<br>[G]§ 63.506(e)(7)(v)<br>§ 63.506(e)(8)<br>§ 63.506(e)(8)(ii)<br>§ 63.506(h)<br>§ 63.506(h)(1)<br>§ 63.506(h)(2)(i) |



### Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant      | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation  | Textual Description (See Special Term and Condition 1.B.)   | Monitoring And Testing Requirements   | Recordkeeping Requirements<br>(30 TAC § 122.144)   | Reporting Requirements<br>(30 TAC § 122.145)                                 |
|---------------------------|-------------------------|---------------|----------------|---------------------------------------|--|---|---|--|--|
|                           |                         |               |                |                                       |  |   |   |  | § 63.506(h)(2)(ii)<br>[G]§ 63.506(i)   |
| F-RFBASIN                 | EU                      | 63U           | 112(B)<br>HAPS | 40 CFR Part 63,<br>Subpart U          | § 63.484(a)<br>§ 63.119(a)(3)<br>[G]§ 63.481(m)  | For storage vessels at a source, comply with requirements of §63.119 through §63.123 and §63.148, except as noted in § 63.484(c) through (s).                                       | None  | § 63.123(a)  | § 63.480(g)(6)<br>§ 63.506(e)(6)(vii)<br>§ 63.506(e)(7)(i)<br>[G]§ 63.506(i) |
| F-RFBASIN                 | EU                      | 63U           | 112(B)<br>HAPS | 40 CFR Part 63,<br>Subpart U          | § 63.501(a)<br>§ 63.133(a)(1)<br>§ 63.506(e)(1)  | Comply with requirements of §§ 63.132-63.147 for each process wastewater stream, § 63.148 for leak inspection and § 63.149 for equipment subject to § 63.149.                       | None  | None   | § 63.146(b)(2)<br>§ 63.146(b)(5)<br>[G]§ 63.506(i)                           |
| F-SKIM                    | EU                      | 63U           | 112(B)<br>HAPS | 40 CFR Part 63,<br>Subpart U          | § 63.484(a)<br>§ 63.119(a)(3)<br>[G]§ 63.481(m)  | For storage vessels at a source, comply with requirements of §63.119 through §63.123 and §63.148, except as noted in § 63.484(c) through (s).                                       | None  | § 63.123(a)  | § 63.480(g)(6)<br>§ 63.506(e)(6)(vii)<br>§ 63.506(e)(7)(i)<br>[G]§ 63.506(i) |
| F-SKIM                    | EU                      | 63U           | 112(B)<br>HAPS | 40 CFR Part 63,<br>Subpart U          | § 63.501(a)<br>§ 63.133(a)(1)<br>§ 63.506(e)(1)  | Comply with requirements of §§ 63.132-63.147 for each process wastewater stream, § 63.148 for leak inspection and § 63.149 for equipment subject to § 63.149.                       | None  | None   | § 63.146(b)(2)<br>§ 63.146(b)(5)<br>[G]§ 63.506(i)                           |
| FWPUMP                    | EU                      | 63ZZZZ        | 112(B)<br>HAPS | 40 CFR Part 63,<br>Subpart ZZZZ       | § 63.6602-Table2c.1<br>§ 63.6595(a)(1)<br>§ 63.6605(a)<br>§ 63.6605(b)<br>§ 63.6625(e)<br>§ 63.6625(h)<br>§ 63.6625(i)<br>§ 63.6640(f)(1)<br>§ 63.6640(f)(2)<br>§ 63.6640(f)(2)(i) | For each existing emergency stationary CI RICE and black start stationary CI RICE, located at a major source, you must comply with the requirements as specified in Table 2c.1.a-c. | § 63.6625(f)<br>§ 63.6625(i)<br>§ 63.6640(a)<br>§ 63.6640(a)-<br>Table6.9.a.i<br>§ 63.6640(a)-<br>Table6.9.a.ii | § 63.6625(i)<br>§ 63.6655(d)<br>§ 63.6655(e)<br>§ 63.6655(f)<br>§ 63.6660(a)<br>§ 63.6660(b)<br>§ 63.6660(c) | § 63.6640(e)<br>§ 63.6650(f)   |

### Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name              | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.)   | Monitoring And Testing Requirements                         | Recordkeeping Requirements<br>(30 TAC § 122.144) | Reporting Requirements<br>(30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-----------|--|---|---|---|--|--|
|                           |                         |               |           |  | § 63.6640(f)(3)   |   |   |  |  |
| GRP-DRYER                 | EP                      | R1111-1       | Opacity   | 30 TAC Chapter 111, Visible Emissions              | § 111.111(a)(1)(A)<br>§ 111.111(a)(1)(E)                          | Visible emissions from any stationary vent shall not exceed an opacity of 30% averaged over a six minute period.  | [G]§ 111.111(a)(1)(F)<br>** See Periodic Monitoring Summary | None   | None   |
| GRP-DRYER                 | EP                      | Primary       | VOC       | 30 TAC Chapter 115, Vent Gas Controls              | § 115.127(a)(2)(B)<br>[G]§ 115.122(a)(4)<br>§ 115.127(a)(2)       | A vent gas stream specified in § 115.121(a)(1) of this title with a concentration of VOC < 612 ppmv is exempt from § 115.121(a)(1).   | [G]§ 115.125<br>§ 115.126(2)                                | § 115.126<br>§ 115.126(2)<br>§ 115.126(4)        | None   |
| GRP-FUG                   | EU                      | R5352-ALL     | VOC       | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.357(6)  | Components at a petroleum refinery or synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process, that contact a process fluid that contains less than 10% VOC by weight and components at a natural gas/gasoline processing operation that contact a process fluid that contains less than 1.0% VOC by weight are exempt from the requirements of this division except §115.356(3)(C) of this title. | None  | § 115.356<br>§ 115.356(3)<br>[G]§ 115.356(3)(C)  | None   |
| GRP-FUG                   | EU                      | R5352-ALL     | VOC       | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.357(5)  | Reciprocating compressors and positive displacement pumps used in natural gas/gasoline processing operations are exempt from the requirements of this division except §115.356(3)(C) of this title.   | None  | § 115.356<br>§ 115.356(3)<br>[G]§ 115.356(3)(C)  | None   |

### Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name              | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.)  | Monitoring And Testing Requirements                                   | Recordkeeping Requirements<br>(30 TAC § 122.144)                  | Reporting Requirements<br>(30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-----------|--|---|--|---|---|--|
| GRP-FUG                   | EU                      | R5352-ALL     | VOC       | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.357(10)   | Instrumentation systems, as defined in 40 CFR §63.161 (January 17, 1997), that meet 40 CFR §63.169 (June 20, 1996) are exempt from the requirements of this division except §115.356(3)(C) of this title.                                    | None  | § 115.356<br>§ 115.356(3)<br>[G]§ 115.356(3)(C)                   | None   |
| GRP-FUG                   | EU                      | R5352-ALL     | VOC       | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.357(11)   | Sampling connection systems, as defined in 40 CFR §63.161 (January 17, 1997), that meet the requirements of 40 CFR §63.166(a) and (b) (June 20, 1996) are exempt from the requirements of this division except §115.356(3)(C) of this title. | None  | § 115.356<br>§ 115.356(3)<br>[G]§ 115.356(3)(C)                   | None   |
| GRP-FUG                   | EU                      | R5352-ALL     | VOC       | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.357(13)   | Components/systems that contact a process fluid containing VOC having a true vapor pressure equal to or less than 0.002 psia at 68 degrees Fahrenheit are exempt from the requirements of this division except §115.356(3)(C) of this title. | None  | § 115.356<br>§ 115.356(3)<br>[G]§ 115.356(3)(C)                   | None   |
| GRP-FUG                   | EU                      | R5352-ALL     | VOC       | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.357(2)<br>§ 115.352(9)                                      | Each pressure relief valve equipped with a rupture disk must comply with §115.352(9) and §115.356(3)(C).   | None  | § 115.356<br>§ 115.356(3)<br>[G]§ 115.356(3)(C)                   | None   |
| GRP-FUG                   | EU                      | R5352-ALL     | VOC       | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(C)<br>§ 115.352(1)<br>§ 115.352(10)<br>§ 115.352(2)  | No component shall be allowed to have a VOC leak, for more than 15 days, after discovery. If the owner or  | § 115.354(1)<br>§ 115.354(11)<br>§ 115.354(13)(A)<br>§ 115.354(13)(B) | § 115.352(7)<br>§ 115.354(13)(D)<br>§ 115.354(13)(E)<br>§ 115.356 | [G]§ 115.358(g)                              |

### Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name              | Emission Limitation, Standard or Equipment Specification Citation  | Textual Description (See Special Term and Condition 1.B.)   | Monitoring And Testing Requirements  | Recordkeeping Requirements<br>(30 TAC § 122.144)  | Reporting Requirements<br>(30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-----------|--|--|---|--|---|--|
|                           |                         |               |           |  | § 115.352(2)(A)<br>§ 115.352(2)(B)<br>§ 115.352(2)(C)<br>§ 115.352(2)(C)(i)<br>§ 115.352(2)(C)(ii)<br>§ 115.352(2)(C)(iii)<br>§ 115.352(3)<br>§ 115.352(4)<br>§ 115.352(5)<br>§ 115.352(6)<br>§ 115.352(7)<br>§ 115.352(8)<br>§ 115.357(8)<br>§ 115.358(c)(1)<br>[G]§ 115.358(h) | operator elects to use the alternative work practice in §115.358 of this title, any leak detected as defined in §115.358 of this title, including any leak detected using the alternative work practice on a component that is subject to the requirements of this division but not specifically selected for alternative work practice monitoring. | § 115.354(13)(C)<br>§ 115.354(13)(D)<br>§ 115.354(13)(E)<br>§ 115.354(13)(F)<br>§ 115.354(4)<br>§ 115.354(5)<br>§ 115.354(9)<br>[G]§ 115.355<br>§ 115.358(c)(2)<br>§ 115.358(d)<br>[G]§ 115.358(e)<br>§ 115.358(f) | [G]§ 115.356(1)<br>[G]§ 115.356(2)<br>§ 115.356(3)<br>§ 115.356(3)(A)<br>§ 115.356(3)(B)<br>[G]§ 115.356(3)(C)<br>[G]§ 115.356(4)<br>§ 115.356(5)           |  |
| GRP-FUG                   | EU                      | R5352-ALL     | VOC       | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A)<br>§ 115.352(1)<br>§ 115.352(10)<br>§ 115.352(2)<br>§ 115.352(2)(A)<br>§ 115.352(3)<br>§ 115.352(7)<br>§ 115.357(1)  | No process drains shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.  | § 115.354(1)<br>§ 115.354(5)<br>§ 115.354(6)<br>§ 115.354(9)<br>[G]§ 115.355<br>§ 115.357(1)   | § 115.352(7)<br>§ 115.356<br>[G]§ 115.356(1)<br>[G]§ 115.356(2)<br>§ 115.356(3)<br>§ 115.356(3)(A)<br>§ 115.356(3)(B)<br>[G]§ 115.356(3)(C)<br>§ 115.356(5) | None   |
| GRP-FUG                   | EU                      | R5352-ALL     | VOC       | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A)<br>§ 115.352(1)<br>§ 115.352(10)<br>§ 115.352(2)<br>§ 115.352(2)(A)<br>§ 115.352(3)<br>§ 115.352(7)  | No process drains shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.  | § 115.354(1)<br>§ 115.354(10)<br>§ 115.354(5)<br>§ 115.354(6)<br>§ 115.354(9)<br>[G]§ 115.355  | § 115.352(7)<br>§ 115.354(10)<br>§ 115.356<br>[G]§ 115.356(1)<br>[G]§ 115.356(2)<br>§ 115.356(3)<br>§ 115.356(3)(A)<br>§ 115.356(3)(B)<br>§ 115.356(5)      | None   |

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|---------------------------|-------------------------|---------------|-----------|--|---|--|--|--|--|
| GRP-FUG                   | EU                      | R5352-ALL     | VOC       | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A)<br>§ 115.352(1)<br>§ 115.352(10)<br>§ 115.352(2)<br>§ 115.352(2)(A)<br>§ 115.352(2)(B)<br>§ 115.352(3)<br>§ 115.352(5)<br>§ 115.352(7)<br>§ 115.352(9)<br>§ 115.357(1)<br>§ 115.357(8)<br>§ 115.357(9)  | No pressure relief valves shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.     | § 115.354(1)<br>§ 115.354(2)<br>§ 115.354(4)<br>§ 115.354(5)<br>§ 115.354(6)<br>[G]§ 115.354(7)<br>§ 115.354(9)<br>[G]§ 115.355<br>§ 115.357(1)  | § 115.352(7)<br>§ 115.356<br>[G]§ 115.356(1)<br>[G]§ 115.356(2)<br>§ 115.356(3)<br>[G]§ 115.356(3)(C)<br>§ 115.356(5)  | [G]§ 115.354(7)                              |
| GRP-FUG                   | EU                      | R5352-ALL     | VOC       | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A)<br>§ 115.352(1)<br>§ 115.352(10)<br>§ 115.352(2)<br>§ 115.352(2)(A)<br>§ 115.352(2)(B)<br>§ 115.352(3)<br>§ 115.352(5)<br>§ 115.352(7)<br>§ 115.352(9)<br>§ 115.357(12)<br>§ 115.357(8)<br>§ 115.357(9) | No pressure relief valves shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.     | § 115.354(1)<br>§ 115.354(10)<br>§ 115.354(2)<br>§ 115.354(4)<br>§ 115.354(5)<br>§ 115.354(6)<br>[G]§ 115.354(7)<br>§ 115.354(9)<br>[G]§ 115.355 | § 115.352(7)<br>§ 115.354(10)<br>§ 115.356<br>[G]§ 115.356(1)<br>[G]§ 115.356(2)<br>§ 115.356(3)<br>§ 115.356(3)(A)<br>§ 115.356(3)(B)<br>[G]§ 115.356(3)(C)<br>§ 115.356(5) | [G]§ 115.354(7)                              |
| GRP-FUG                   | EU                      | R5352-ALL     | VOC       | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A)<br>§ 115.352(1)<br>§ 115.352(10)<br>§ 115.352(2)<br>§ 115.352(2)(A)<br>§ 115.352(2)(B)<br>§ 115.352(3)<br>§ 115.352(4)<br>§ 115.352(5)<br>§ 115.352(6)<br>§ 115.352(7)<br>§ 115.357(1)                  | No open-ended valves or lines shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound. | § 115.354(1)<br>§ 115.354(2)<br>§ 115.354(5)<br>§ 115.354(6)<br>[G]§ 115.354(7)<br>§ 115.354(9)<br>[G]§ 115.355<br>§ 115.357(1)                  | § 115.352(7)<br>§ 115.356<br>[G]§ 115.356(1)<br>[G]§ 115.356(2)<br>§ 115.356(3)<br>[G]§ 115.356(3)(C)<br>§ 115.356(5)  | [G]§ 115.354(7)                              |

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|---------------------------|-------------------------|---------------|-----------|--|---|--|--|--|--|
|                           |                         |               |           |  | § 115.357(8)<br>§ 115.357(9)  |  |  |  |  |
| GRP-FUG                   | EU                      | R5352-ALL     | VOC       | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A)<br>§ 115.352(1)<br>§ 115.352(10)<br>§ 115.352(2)<br>§ 115.352(2)(A)<br>§ 115.352(2)(B)<br>§ 115.352(3)<br>§ 115.352(4)<br>§ 115.352(5)<br>§ 115.352(6)<br>§ 115.352(7)<br>§ 115.357(12)<br>§ 115.357(8)<br>§ 115.357(9) | No open-ended valves or lines shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound. | § 115.354(1)<br>§ 115.354(10)<br>§ 115.354(2)<br>§ 115.354(5)<br>§ 115.354(6)<br>[G]§ 115.354(7)<br>§ 115.354(9)<br>[G]§ 115.355 | § 115.352(7)<br>§ 115.354(10)<br>§ 115.356<br>[G]§ 115.356(1)<br>[G]§ 115.356(2)<br>§ 115.356(3)<br>§ 115.356(3)(A)<br>§ 115.356(3)(B)<br>[G]§ 115.356(3)(C)<br>§ 115.356(5) | [G]§ 115.354(7)                              |
| GRP-FUG                   | EU                      | R5352-ALL     | VOC       | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A)<br>§ 115.352(1)<br>§ 115.352(10)<br>§ 115.352(2)<br>§ 115.352(2)(A)<br>§ 115.352(2)(B)<br>§ 115.352(3)<br>§ 115.352(4)<br>§ 115.352(5)<br>§ 115.352(6)<br>§ 115.352(7)<br>§ 115.357(1)<br>§ 115.357(8)<br>§ 115.357(9)  | No valves shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.                     | § 115.354(1)<br>§ 115.354(2)<br>§ 115.354(5)<br>§ 115.354(6)<br>[G]§ 115.354(7)<br>§ 115.354(9)<br>[G]§ 115.355<br>§ 115.357(1)  | § 115.352(7)<br>§ 115.356<br>[G]§ 115.356(1)<br>[G]§ 115.356(2)<br>§ 115.356(3)<br>[G]§ 115.356(3)(C)<br>§ 115.356(5)  | [G]§ 115.354(7)                              |
| GRP-FUG                   | EU                      | R5352-ALL     | VOC       | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A)<br>§ 115.352(1)<br>§ 115.352(10)<br>§ 115.352(2)<br>§ 115.352(2)(A)<br>§ 115.352(2)(B)<br>§ 115.352(3)<br>§ 115.352(4)<br>§ 115.352(5)<br>§ 115.352(6)<br>§ 115.352(7)<br>§ 115.357(1)<br>§ 115.357(8)<br>§ 115.357(9)  | No valves shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or   | § 115.354(1)<br>§ 115.354(10)<br>§ 115.354(2)<br>§ 115.354(5)<br>§ 115.354(6)<br>[G]§ 115.354(7)<br>§ 115.354(9)<br>[G]§ 115.355 | § 115.352(7)<br>§ 115.354(10)<br>§ 115.356<br>[G]§ 115.356(1)<br>[G]§ 115.356(2)<br>§ 115.356(3)<br>§ 115.356(3)(A)<br>§ 115.356(3)(B)                                       | [G]§ 115.354(7)                              |

### Applicable Requirements Summary

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|---------------------------|-------------------------|---------------|-----------|--|--|--|--|--|--|
|                           |                         |               |           |  | § 115.352(5)<br>§ 115.352(6)<br>§ 115.352(7)<br>§ 115.357(12)<br>§ 115.357(8)<br>§ 115.357(9)  | exuding of process fluid based on sight, smell, or sound.  |  | [G]§ 115.356(3)(C)<br>§ 115.356(5)   |  |
| GRP-FUG                   | EU                      | R5352-ALL     | VOC       | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A)<br>§ 115.352(1)<br>§ 115.352(10)<br>§ 115.352(2)<br>§ 115.352(2)(A)<br>§ 115.352(3)<br>§ 115.352(5)<br>§ 115.352(7)<br>§ 115.352(8)<br>§ 115.357(1)<br>§ 115.357(12)<br>§ 115.357(8) | No flanges or other connectors shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound. | § 115.354(1)<br>§ 115.354(11)<br>§ 115.354(3)<br>§ 115.354(5)<br>§ 115.354(6)<br>§ 115.354(9)<br>[G]§ 115.355<br>§ 115.357(1)                  | § 115.352(7)<br>§ 115.356<br>[G]§ 115.356(1)<br>[G]§ 115.356(2)<br>§ 115.356(3)<br>§ 115.356(3)(A)<br>§ 115.356(3)(B)<br>[G]§ 115.356(3)(C)<br>§ 115.356(5)                  | None   |
| GRP-FUG                   | EU                      | R5352-ALL     | VOC       | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A)<br>§ 115.352(1)<br>§ 115.352(10)<br>§ 115.352(2)<br>§ 115.352(2)(A)<br>§ 115.352(3)<br>§ 115.352(5)<br>§ 115.352(7)<br>§ 115.352(8)<br>§ 115.357(12)<br>§ 115.357(8)                 | No flanges or other connectors shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound. | § 115.354(1)<br>§ 115.354(10)<br>§ 115.354(11)<br>§ 115.354(3)<br>§ 115.354(5)<br>§ 115.354(6)<br>§ 115.354(9)<br>[G]§ 115.355<br>§ 115.357(1) | § 115.352(7)<br>§ 115.354(10)<br>§ 115.356<br>[G]§ 115.356(1)<br>[G]§ 115.356(2)<br>§ 115.356(3)<br>§ 115.356(3)(A)<br>§ 115.356(3)(B)<br>[G]§ 115.356(3)(C)<br>§ 115.356(5) | None   |
| GRP-FUG                   | EU                      | R5352-ALL     | VOC       | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A)<br>§ 115.352(1)<br>§ 115.352(10)<br>§ 115.352(2)<br>§ 115.352(2)(A)<br>§ 115.352(2)(C)<br>§ 115.352(2)(C)(i)<br>§ 115.352(2)(C)(ii)  | No agitators shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or   | § 115.354(1)<br>§ 115.354(10)<br>§ 115.354(5)<br>§ 115.354(6)<br>§ 115.354(9)<br>[G]§ 115.355<br>§ 115.357(1)                                  | § 115.352(7)<br>§ 115.354(10)<br>§ 115.356<br>[G]§ 115.356(1)<br>[G]§ 115.356(2)<br>§ 115.356(3)<br>§ 115.356(3)(A)<br>§ 115.356(3)(B)                                       | None   |

### Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name              | Emission Limitation, Standard or Equipment Specification Citation  | Textual Description (See Special Term and Condition 1.B.)  | Monitoring And Testing Requirements   | Recordkeeping Requirements<br>(30 TAC § 122.144)   | Reporting Requirements<br>(30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-----------|--|--|--|---|--|--|
|                           |                         |               |           |  | § 115.352(2)(C)(iii)<br>§ 115.352(3)<br>§ 115.352(7)<br>§ 115.357(1)<br>§ 115.357(12)<br>§ 115.357(8)  | exuding of process fluid based on sight, smell, or sound.  |   | [G]§ 115.356(3)(C)<br>§ 115.356(5)   |  |
| GRP-FUG                   | EU                      | R5352-ALL     | VOC       | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A)<br>§ 115.352(1)<br>§ 115.352(10)<br>§ 115.352(2)<br>§ 115.352(2)(A)<br>§ 115.352(2)(C)<br>§ 115.352(2)(C)(i)<br>§ 115.352(2)(C)(ii)<br>§ 115.352(2)(C)(iii)<br>§ 115.352(3)<br>§ 115.352(7)<br>§ 115.357(1)<br>§ 115.357(12)<br>§ 115.357(8) | No agitators shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound. | § 115.354(1)<br>§ 115.354(5)<br>§ 115.354(6)<br>§ 115.354(9)<br>[G]§ 115.355<br>§ 115.357(1)                  | § 115.352(7)<br>§ 115.356<br>[G]§ 115.356(1)<br>[G]§ 115.356(2)<br>§ 115.356(3)<br>§ 115.356(3)(A)<br>§ 115.356(3)(B)<br>[G]§ 115.356(3)(C)<br>§ 115.356(5)                  | None   |
| GRP-FUG                   | EU                      | R5352-ALL     | VOC       | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A)<br>§ 115.352(1)<br>§ 115.352(10)<br>§ 115.352(2)<br>§ 115.352(2)(A)<br>§ 115.352(2)(C)<br>§ 115.352(2)(C)(i)<br>§ 115.352(2)(C)(ii)<br>§ 115.352(2)(C)(iii)<br>§ 115.352(3)<br>§ 115.352(7)<br>§ 115.357(12)<br>§ 115.357(8)                 | No agitators shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound. | § 115.354(1)<br>§ 115.354(10)<br>§ 115.354(5)<br>§ 115.354(6)<br>§ 115.354(9)<br>[G]§ 115.355<br>§ 115.357(1) | § 115.352(7)<br>§ 115.354(10)<br>§ 115.356<br>[G]§ 115.356(1)<br>[G]§ 115.356(2)<br>§ 115.356(3)<br>§ 115.356(3)(A)<br>§ 115.356(3)(B)<br>[G]§ 115.356(3)(C)<br>§ 115.356(5) | None   |
| GRP-FUG                   | EU                      | R5352-ALL     | VOC       | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(B)<br>§ 115.352(1)<br>§ 115.352(10)<br>§ 115.352(2)<br>§ 115.352(2)(A)  | No compressor seals shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration   | [G]§ 115.355  | § 115.352(7)<br>§ 115.356<br>[G]§ 115.356(1)<br>[G]§ 115.356(2)<br>§ 115.356(3)  | None   |



### Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name              | Emission Limitation, Standard or Equipment Specification Citation   | Textual Description (See Special Term and Condition 1.B.)  | Monitoring And Testing Requirements  | Recordkeeping Requirements<br>(30 TAC § 122.144)  | Reporting Requirements<br>(30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-----------|--|---|--|--|---|--|
|                           |                         |               |           |  | § 115.352(2)(C)<br>§ 115.352(2)(C)(i)<br>§ 115.352(2)(C)(ii)<br>§ 115.352(2)(C)(iii)<br>§ 115.352(3)<br>§ 115.352(5)<br>§ 115.352(7)<br>§ 115.357(3)<br>§ 115.357(8)  | greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.  |  | [G]§ 115.356(3)(C)<br>§ 115.356(5)  |  |
| GRP-FUG                   | EU                      | R5352-ALL     | VOC       | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(B)<br>§ 115.352(1)<br>§ 115.352(10)<br>§ 115.352(2)<br>§ 115.352(2)(A)<br>§ 115.352(2)(C)<br>§ 115.352(2)(C)(i)<br>§ 115.352(2)(C)(ii)<br>§ 115.352(2)(C)(iii)<br>§ 115.352(3)<br>§ 115.352(5)<br>§ 115.352(7)<br>§ 115.357(4)<br>§ 115.357(8) | No compressor seals shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound. | [G]§ 115.355   | § 115.352(7)<br>§ 115.356<br>[G]§ 115.356(1)<br>[G]§ 115.356(2)<br>§ 115.356(3)<br>[G]§ 115.356(3)(C)<br>§ 115.356(5) | None   |
| GRP-FUG                   | EU                      | R5352-ALL     | VOC       | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(B)<br>§ 115.352(1)<br>§ 115.352(10)<br>§ 115.352(2)<br>§ 115.352(2)(A)<br>§ 115.352(2)(C)<br>§ 115.352(2)(C)(i)<br>§ 115.352(2)(C)(ii)<br>§ 115.352(2)(C)(iii)<br>§ 115.352(3)<br>§ 115.352(5)<br>§ 115.352(7)<br>§ 115.357(1)<br>§ 115.357(8) | No compressor seals shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound. | § 115.354(1)<br>§ 115.354(2)<br>§ 115.354(5)<br>§ 115.354(6)<br>§ 115.354(9)<br>[G]§ 115.355<br>§ 115.357(1) | § 115.352(7)<br>§ 115.356<br>[G]§ 115.356(1)<br>[G]§ 115.356(2)<br>§ 115.356(3)<br>[G]§ 115.356(3)(C)<br>§ 115.356(5) | None   |

### Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name              | Emission Limitation, Standard or Equipment Specification Citation  | Textual Description (See Special Term and Condition 1.B.)  | Monitoring And Testing Requirements   | Recordkeeping Requirements<br>(30 TAC § 122.144)   | Reporting Requirements<br>(30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-----------|--|--|--|---|--|--|
| GRP-FUG                   | EU                      | R5352-ALL     | VOC       | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(B)<br>§ 115.352(1)<br>§ 115.352(10)<br>§ 115.352(2)<br>§ 115.352(2)(A)<br>§ 115.352(2)(C)<br>§ 115.352(2)(C)(i)<br>§ 115.352(2)(C)(ii)<br>§ 115.352(2)(C)(iii)<br>§ 115.352(3)<br>§ 115.352(5)<br>§ 115.352(7)<br>§ 115.357(12)<br>§ 115.357(8) | No compressor seals shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound. | § 115.354(1)<br>§ 115.354(10)<br>§ 115.354(2)<br>§ 115.354(5)<br>§ 115.354(6)<br>§ 115.354(9)<br>[G]§ 115.355 | § 115.352(7)<br>§ 115.354(10)<br>§ 115.356<br>[G]§ 115.356(1)<br>[G]§ 115.356(2)<br>§ 115.356(3)<br>§ 115.356(3)(A)<br>§ 115.356(3)(B)<br>[G]§ 115.356(3)(C)<br>§ 115.356(5) | None   |
| GRP-FUG                   | EU                      | R5352-ALL     | VOC       | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(B)<br>§ 115.352(1)<br>§ 115.352(10)<br>§ 115.352(2)<br>§ 115.352(2)(A)<br>§ 115.352(2)(C)<br>§ 115.352(2)(C)(i)<br>§ 115.352(2)(C)(ii)<br>§ 115.352(2)(C)(iii)<br>§ 115.352(3)<br>§ 115.352(5)<br>§ 115.352(7)<br>§ 115.357(4)<br>§ 115.357(8)  | No pump seals shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.       | [G]§ 115.355  | § 115.352(7)<br>§ 115.356<br>[G]§ 115.356(1)<br>[G]§ 115.356(2)<br>§ 115.356(3)<br>[G]§ 115.356(3)(C)<br>§ 115.356(5)  | None   |
| GRP-FUG                   | EU                      | R5352-ALL     | VOC       | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(B)<br>§ 115.352(1)<br>§ 115.352(10)<br>§ 115.352(2)<br>§ 115.352(2)(A)<br>§ 115.352(2)(C)<br>§ 115.352(2)(C)(i)<br>§ 115.352(2)(C)(ii)<br>§ 115.352(2)(C)(iii)<br>§ 115.352(3)<br>§ 115.352(5)<br>§ 115.352(7)<br>§ 115.357(1)<br>§ 115.357(8)  | No pump seals shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.       | § 115.354(1)<br>§ 115.354(2)<br>§ 115.354(5)<br>§ 115.354(6)<br>§ 115.354(9)<br>[G]§ 115.355<br>§ 115.357(1)  | § 115.352(7)<br>§ 115.356<br>[G]§ 115.356(1)<br>[G]§ 115.356(2)<br>§ 115.356(3)<br>[G]§ 115.356(3)(C)<br>§ 115.356(5)  | None   |

### Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant   | State Rule or Federal Regulation Name              | Emission Limitation, Standard or Equipment Specification Citation  | Textual Description (See Special Term and Condition 1.B.)  | Monitoring And Testing Requirements   | Recordkeeping Requirements<br>(30 TAC § 122.144)   | Reporting Requirements<br>(30 TAC § 122.145)   |
|---------------------------|-------------------------|---------------|-------------|--|--|--|---|--|--|
|                           |                         |               |             |  | § 115.352(5)<br>§ 115.352(7)<br>§ 115.357(1)<br>§ 115.357(8)   | smell, or sound.   |   |  |  |
| GRP-FUG                   | EU                      | R5352-ALL     | VOC         | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(B)<br>§ 115.352(1)<br>§ 115.352(10)<br>§ 115.352(2)<br>§ 115.352(2)(A)<br>§ 115.352(2)(C)<br>§ 115.352(2)(C)(i)<br>§ 115.352(2)(C)(ii)<br>§ 115.352(2)(C)(iii)<br>§ 115.352(3)<br>§ 115.352(5)<br>§ 115.352(7)<br>§ 115.357(12)<br>§ 115.357(8) | No pump seals shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound. | § 115.354(1)<br>§ 115.354(10)<br>§ 115.354(2)<br>§ 115.354(5)<br>§ 115.354(6)<br>§ 115.354(9)<br>[G]§ 115.355 | § 115.352(7)<br>§ 115.354(10)<br>§ 115.356<br>[G]§ 115.356(1)<br>[G]§ 115.356(2)<br>§ 115.356(3)<br>§ 115.356(3)(A)<br>§ 115.356(3)(B)<br>[G]§ 115.356(3)(C)<br>§ 115.356(5) | None   |
| GRP-FUG                   | EU                      | 63H-ALL       | 112(B) HAPS | 40 CFR Part 63, Subpart H                          | § 63.162(e)<br>§ 63.162(a)<br>§ 63.162(c)<br>[G]§ 63.162(g)<br>§ 63.162(h)   | Equipment that is in organic HAP service less than 300 hours per year is excluded from the requirements of §§63.163 - 63.174 and §63.178 if it is identified as required in §63.181(j).  | [G]§ 63.180(d)  | § 63.181(a)<br>[G]§ 63.181(b)<br>§ 63.181(c)<br>[G]§ 63.181(i)<br>§ 63.181(j)  | [G]§ 63.182(a)<br>[G]§ 63.182(b)   |
| GRP-FUG                   | EU                      | 63H-ALL       | 112(B) HAPS | 40 CFR Part 63, Subpart H                          | [G]§ 63.164<br>§ 63.162(a)<br>§ 63.162(c)<br>[G]§ 63.162(f)<br>[G]§ 63.162(g)<br>§ 63.162(h)<br>[G]§ 63.171  | Standards: Compressors. §63.164(a)-(i)   | [G]§ 63.164<br>[G]§ 63.180(b)<br>[G]§ 63.180(c)<br>[G]§ 63.180(d)   | § 63.181(a)<br>[G]§ 63.181(b)<br>§ 63.181(c)<br>[G]§ 63.181(d)<br>[G]§ 63.181(f)   | [G]§ 63.182(a)<br>[G]§ 63.182(b)<br>§ 63.182(c)<br>[G]§ 63.182(c)(1)<br>§ 63.182(c)(4)<br>[G]§ 63.182(d) |
| GRP-FUG                   | EU                      | 63H-ALL       | 112(B) HAPS | 40 CFR Part 63, Subpart H                          | [G]§ 63.165<br>§ 63.162(a)<br>§ 63.162(c)<br>[G]§ 63.162(g)<br>§ 63.162(h)   | Standards: Pressure relief device in gas/vapor service. §63.165(a)-(d)   | [G]§ 63.165<br>[G]§ 63.180(b)<br>[G]§ 63.180(c)<br>[G]§ 63.180(d)   | § 63.181(a)<br>[G]§ 63.181(b)<br>§ 63.181(c)<br>[G]§ 63.181(f)   | [G]§ 63.182(a)<br>[G]§ 63.182(b)<br>§ 63.182(c)<br>[G]§ 63.182(c)(1)<br>§ 63.182(c)(4)                   |

### Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant   | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation   | Textual Description (See Special Term and Condition 1.B.)     | Monitoring And Testing Requirements             | Recordkeeping Requirements<br>(30 TAC § 122.144)                                 | Reporting Requirements<br>(30 TAC § 122.145)   |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|---|---|---|--|--|
|                           |                         |               |             |                                       | [G]§ 63.171   |   |   |  | [G]§ 63.182(d)   |
| GRP-FUG                   | EU                      | 63H-ALL       | 112(B) HAPS | 40 CFR Part 63, Subpart H             | [G]§ 63.166<br>§ 63.162(a)<br>§ 63.162(c)<br>[G]§ 63.162(g)<br>§ 63.162(h)<br>[G]§ 63.171                   | Standards: Sampling connection systems. §63.166(a)-(c)        | [G]§ 63.180(b)<br>[G]§ 63.180(d)                | § 63.181(a)<br>[G]§ 63.181(b)<br>§ 63.181(c)<br>[G]§ 63.181(i)                   | [G]§ 63.182(a)<br>[G]§ 63.182(b)<br>§ 63.182(c)<br>[G]§ 63.182(c)(1)<br>§ 63.182(c)(4)<br>[G]§ 63.182(d) |
| GRP-FUG                   | EU                      | 63H-ALL       | 112(B) HAPS | 40 CFR Part 63, Subpart H             | [G]§ 63.169<br>§ 63.162(a)<br>§ 63.162(c)<br>[G]§ 63.162(f)<br>[G]§ 63.162(g)<br>§ 63.162(h)<br>[G]§ 63.171 | Standards: Pumps in heavy liquid service. §63.169(a)-(d)      | [G]§ 63.169<br>[G]§ 63.180(b)<br>[G]§ 63.180(d) | § 63.181(a)<br>[G]§ 63.181(b)<br>§ 63.181(c)<br>[G]§ 63.181(d)<br>[G]§ 63.181(i) | [G]§ 63.182(a)<br>[G]§ 63.182(b)<br>§ 63.182(c)<br>[G]§ 63.182(c)(1)<br>§ 63.182(c)(4)<br>[G]§ 63.182(d) |
| GRP-FUG                   | EU                      | 63H-ALL       | 112(B) HAPS | 40 CFR Part 63, Subpart H             | [G]§ 63.169<br>§ 63.162(a)<br>§ 63.162(c)<br>[G]§ 63.162(f)<br>[G]§ 63.162(g)<br>§ 63.162(h)<br>[G]§ 63.171 | Standards: Valves in heavy liquid service. §63.169(a)-(d)     | [G]§ 63.169<br>[G]§ 63.180(b)<br>[G]§ 63.180(d) | § 63.181(a)<br>[G]§ 63.181(b)<br>§ 63.181(c)<br>[G]§ 63.181(d)<br>[G]§ 63.181(i) | [G]§ 63.182(a)<br>[G]§ 63.182(b)<br>§ 63.182(c)<br>[G]§ 63.182(c)(1)<br>§ 63.182(c)(4)<br>[G]§ 63.182(d) |
| GRP-FUG                   | EU                      | 63H-ALL       | 112(B) HAPS | 40 CFR Part 63, Subpart H             | [G]§ 63.169<br>§ 63.162(a)<br>§ 63.162(c)<br>[G]§ 63.162(f)<br>[G]§ 63.162(g)<br>§ 63.162(h)<br>[G]§ 63.171 | Standards: Connectors in heavy liquid service. §63.169(a)-(d) | [G]§ 63.169<br>[G]§ 63.180(b)<br>[G]§ 63.180(d) | § 63.181(a)<br>[G]§ 63.181(b)<br>§ 63.181(c)<br>[G]§ 63.181(d)<br>[G]§ 63.181(i) | [G]§ 63.182(a)<br>[G]§ 63.182(b)<br>§ 63.182(c)<br>[G]§ 63.182(c)(1)<br>§ 63.182(c)(4)<br>[G]§ 63.182(d) |
| GRP-FUG                   | EU                      | 63H-ALL       | 112(B) HAPS | 40 CFR Part 63, Subpart H             | [G]§ 63.169<br>§ 63.162(a)<br>§ 63.162(c)<br>[G]§ 63.162(f)<br>[G]§ 63.162(g)<br>§ 63.162(h)<br>[G]§ 63.171 | Standards: Agitators in heavy liquid service. §63.169(a)-(d)  | [G]§ 63.169<br>[G]§ 63.180(b)<br>[G]§ 63.180(d) | § 63.181(a)<br>[G]§ 63.181(b)<br>§ 63.181(c)<br>[G]§ 63.181(d)<br>[G]§ 63.181(i) | [G]§ 63.182(a)<br>[G]§ 63.182(b)<br>§ 63.182(c)<br>[G]§ 63.182(c)(1)<br>§ 63.182(c)(4)<br>[G]§ 63.182(d) |

### Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant   | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation   | Textual Description (See Special Term and Condition 1.B.)                              | Monitoring And Testing Requirements             | Recordkeeping Requirements<br>(30 TAC § 122.144)               | Reporting Requirements<br>(30 TAC § 122.145)   |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|---|--|---|--|--|
| GRP-FUG                   | EU                      | 63H-ALL       | 112(B) HAPS | 40 CFR Part 63, Subpart H             | [G]§ 63.169<br>§ 63.162(a)<br>§ 63.162(c)<br>[G]§ 63.162(f)<br>[G]§ 63.162(g)<br>§ 63.162(h)<br>[G]§ 63.171 | Standards: Instrumentation systems. §63.169(a)-(d)                                     | [G]§ 63.169<br>[G]§ 63.180(b)<br>[G]§ 63.180(d) | § 63.181(a)<br>[G]§ 63.181(b)<br>§ 63.181(c)<br>[G]§ 63.181(d) | [G]§ 63.182(a)<br>[G]§ 63.182(b)<br>§ 63.182(c)<br>[G]§ 63.182(c)(1)<br>§ 63.182(c)(4)<br>[G]§ 63.182(d) |
| GRP-FUG                   | EU                      | 63H-ALL       | 112(B) HAPS | 40 CFR Part 63, Subpart H             | [G]§ 63.169<br>§ 63.162(a)<br>§ 63.162(c)<br>[G]§ 63.162(f)<br>[G]§ 63.162(g)<br>§ 63.162(h)<br>[G]§ 63.171 | Standards: Pressure relief devices in liquid service. §63.169(a)-(d)                   | [G]§ 63.169<br>[G]§ 63.180(b)<br>[G]§ 63.180(d) | § 63.181(a)<br>[G]§ 63.181(b)<br>§ 63.181(c)<br>[G]§ 63.181(d) | [G]§ 63.182(a)<br>[G]§ 63.182(b)<br>§ 63.182(c)<br>[G]§ 63.182(c)(1)<br>§ 63.182(c)(4)<br>[G]§ 63.182(d) |
| GRP-FUG                   | EU                      | 63H-ALL       | 112(B) HAPS | 40 CFR Part 63, Subpart H             | § 63.170<br>§ 63.162(a)<br>§ 63.162(c)<br>[G]§ 63.162(g)<br>§ 63.162(h)<br>[G]§ 63.171                      | Standards: Surge control vessels and bottom receivers.                                 | [G]§ 63.180(b)<br>[G]§ 63.180(d)                | § 63.181(a)<br>[G]§ 63.181(b)<br>§ 63.181(c)                   | [G]§ 63.182(a)<br>[G]§ 63.182(b)<br>§ 63.182(c)<br>[G]§ 63.182(c)(1)<br>§ 63.182(c)(4)<br>[G]§ 63.182(d) |
| GRP-FUG                   | EU                      | 63H-ALL       | 112(B) HAPS | 40 CFR Part 63, Subpart H             | [G]§ 63.173<br>§ 63.162(a)<br>§ 63.162(c)<br>[G]§ 63.162(f)<br>[G]§ 63.162(g)<br>§ 63.162(h)<br>[G]§ 63.171 | Standards: Agitators gas/vapor service and in light liquid service. §63.173(a)-(j).    | [G]§ 63.173<br>[G]§ 63.180(b)<br>[G]§ 63.180(d) | § 63.181(a)<br>[G]§ 63.181(b)<br>§ 63.181(c)<br>[G]§ 63.181(d) | [G]§ 63.182(a)<br>[G]§ 63.182(b)<br>§ 63.182(c)<br>[G]§ 63.182(c)(1)<br>§ 63.182(c)(4)<br>[G]§ 63.182(d) |
| GRP-FUG                   | EU                      | 63H-ALL       | 112(B) HAPS | 40 CFR Part 63, Subpart H             | [G]§ 63.174<br>§ 63.162(a)<br>§ 63.162(c)<br>[G]§ 63.162(f)<br>[G]§ 63.162(g)<br>§ 63.162(h)<br>[G]§ 63.171 | Standards: Connectors in gas/vapor service and in light liquid service. §63.174(a)-(j) | [G]§ 63.174<br>[G]§ 63.180(b)<br>[G]§ 63.180(d) | § 63.181(a)<br>[G]§ 63.181(b)<br>§ 63.181(c)<br>[G]§ 63.181(d) | [G]§ 63.182(a)<br>[G]§ 63.182(b)<br>§ 63.182(c)<br>[G]§ 63.182(c)(1)<br>§ 63.182(c)(4)<br>[G]§ 63.182(d) |
| GRP-FUG                   | EU                      | 63H-ALL       | 112(B) HAPS | 40 CFR Part 63, Subpart H             | [G]§ 63.163<br>§ 63.162(a)  | Standards: Pumps in light liquid service. §63.163(a)-(j)                               | [G]§ 63.163<br>[G]§ 63.176                      | § 63.181(a)<br>[G]§ 63.181(b)                                  | [G]§ 63.182(a)<br>[G]§ 63.182(b)   |

### Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant   | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation  | Textual Description (See Special Term and Condition 1.B.)   | Monitoring And Testing Requirements                            | Recordkeeping Requirements<br>(30 TAC § 122.144)   | Reporting Requirements<br>(30 TAC § 122.145)   |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|--|---|--|--|--|
|                           |                         |               |             |                                       | § 63.162(c)<br>[G]§ 63.162(f)<br>[G]§ 63.162(g)<br>§ 63.162(h)<br>[G]§ 63.171<br>[G]§ 63.176                               |   | [G]§ 63.180(b)<br>[G]§ 63.180(d)                               | § 63.181(c)<br>[G]§ 63.181(d)<br>§ 63.181(h)<br>[G]§ 63.181(h)(3)<br>§ 63.181(h)(4)<br>[G]§ 63.181(h)(5)<br>§ 63.181(h)(6)<br>§ 63.181(h)(7)<br>§ 63.181(h)(8)                                     | § 63.182(c)<br>[G]§ 63.182(c)(1)<br>§ 63.182(c)(4)<br>[G]§ 63.182(d)                                     |
| GRP-FUG                   | EU                      | 63H-ALL       | 112(B) HAPS | 40 CFR Part 63, Subpart H             | [G]§ 63.167<br>§ 63.162(a)<br>§ 63.162(c)<br>[G]§ 63.162(g)<br>§ 63.162(h)<br>[G]§ 63.171<br>[G]§ 63.175                   | Standards: Open-ended valves or lines. §63.167(a)-(e).  | [G]§ 63.175<br>[G]§ 63.180(b)<br>[G]§ 63.180(d)                | § 63.181(a)<br>[G]§ 63.181(b)<br>§ 63.181(c)<br>§ 63.181(h)<br>[G]§ 63.181(h)(1)<br>[G]§ 63.181(h)(2)<br>§ 63.181(h)(4)<br>[G]§ 63.181(h)(5)<br>§ 63.181(h)(6)<br>§ 63.181(h)(7)<br>[G]§ 63.181(i) | [G]§ 63.182(a)<br>[G]§ 63.182(b)<br>§ 63.182(c)<br>[G]§ 63.182(c)(1)<br>§ 63.182(c)(4)<br>[G]§ 63.182(d) |
| GRP-FUG                   | EU                      | 63H-ALL       | 112(B) HAPS | 40 CFR Part 63, Subpart H             | [G]§ 63.168<br>§ 63.162(a)<br>§ 63.162(c)<br>[G]§ 63.162(f)<br>[G]§ 63.162(g)<br>§ 63.162(h)<br>[G]§ 63.171<br>[G]§ 63.175 | Standards: Valves in gas/vapor service and in light liquid service. §63.168(a)-(j)  | [G]§ 63.168<br>[G]§ 63.175<br>[G]§ 63.180(b)<br>[G]§ 63.180(d) | § 63.181(a)<br>[G]§ 63.181(b)<br>§ 63.181(c)<br>[G]§ 63.181(d)<br>§ 63.181(h)<br>[G]§ 63.181(h)(1)<br>[G]§ 63.181(h)(2)<br>§ 63.181(h)(4)<br>[G]§ 63.181(h)(5)<br>§ 63.181(h)(6)<br>§ 63.181(h)(7) | [G]§ 63.182(a)<br>[G]§ 63.182(b)<br>§ 63.182(c)<br>[G]§ 63.182(c)(1)<br>§ 63.182(c)(4)<br>[G]§ 63.182(d) |
| GRPHI1-2                  | EU                      | Primary       | VOC         | 30 TAC Chapter 115, Storage of VOCs   | § 115.111(a)(1)  | Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division. | [G]§ 115.117   | § 115.118(a)(1)<br>§ 115.118(a)(5)<br>§ 115.118(a)(7)  | None   |

### Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant   | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.)   | Monitoring And Testing Requirements | Recordkeeping Requirements<br>(30 TAC § 122.144)      | Reporting Requirements<br>(30 TAC § 122.145)                                 |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|---|---|-------------------------------------|---|--|
| GRPHI1-2                  | EU                      | Primary       | 112(B) HAPS | 40 CFR Part 63, Subpart U             | § 63.484(a)<br>§ 63.119(a)(3)<br>[G]§ 63.481(m)                   | For storage vessels at a source, comply with requirements of §63.119 through §63.123 and §63.148, except as noted in § 63.484(c) through (s).                 | None                                | § 63.123(a)   | § 63.480(g)(6)<br>§ 63.506(e)(6)(vii)<br>§ 63.506(e)(7)(i)<br>[G]§ 63.506(i) |
| GRPLOWCAP1                | EU                      | Primary       | 112(B) HAPS | 40 CFR Part 63, Subpart U             | § 63.484(a)<br>§ 63.119(a)(3)<br>[G]§ 63.481(m)                   | For storage vessels at a source, comply with requirements of §63.119 through §63.123 and §63.148, except as noted in § 63.484(c) through (s).                 | None                                | § 63.123(a)   | § 63.480(g)(6)<br>§ 63.506(e)(6)(vii)<br>§ 63.506(e)(7)(i)<br>[G]§ 63.506(i) |
| GRP-MACTU                 | EU                      | 63U           | 112(B) HAPS | 40 CFR Part 63, Subpart U             | § 63.484(a)<br>§ 63.119(a)(3)<br>[G]§ 63.481(m)                   | For storage vessels at a source, comply with requirements of §63.119 through §63.123 and §63.148, except as noted in § 63.484(c) through (s).                 | None                                | § 63.123(a)   | § 63.480(g)(6)<br>§ 63.506(e)(6)(vii)<br>§ 63.506(e)(7)(i)<br>[G]§ 63.506(i) |
| GRP-MACTU                 | EU                      | 63U           | 112(B) HAPS | 40 CFR Part 63, Subpart U             | § 63.501(a)<br>§ 63.133(a)(1)<br>§ 63.506(e)(1)                   | Comply with requirements of §§ 63.132-63.147 for each process wastewater stream, § 63.148 for leak inspection and § 63.149 for equipment subject to § 63.149. | None                                | None  | § 63.146(b)(2)<br>§ 63.146(b)(5)<br>[G]§ 63.506(i)                           |
| GRPMID1-2                 | EU                      | Primary       | VOC         | 30 TAC Chapter 115, Storage of VOCs   | § 115.111(a)(1)   | Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.   | [G]§ 115.117                        | § 115.118(a)(1)<br>§ 115.118(a)(5)<br>§ 115.118(a)(7) | None   |
| GRPMID1-2                 | EU                      | Primary       | 112(B) HAPS | 40 CFR Part 63, Subpart U             | § 63.484(a)<br>§ 63.119(a)(3)<br>[G]§ 63.481(m)                   | For storage vessels at a source, comply with requirements of §63.119 through §63.123 and §63.148, except as noted in § 63.484(c) through (s).                 | None                                | § 63.123(a)   | § 63.480(g)(6)<br>§ 63.506(e)(6)(vii)<br>§ 63.506(e)(7)(i)<br>[G]§ 63.506(i) |

### Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant   | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation   | Textual Description (See Special Term and Condition 1.B.)   | Monitoring And Testing Requirements   | Recordkeeping Requirements<br>(30 TAC § 122.144)   | Reporting Requirements<br>(30 TAC § 122.145)   |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|---|---|---|--|--|
| GRPMID3-2                 | EU                      | Primary       | VOC         | 30 TAC Chapter 115, Storage of VOCs   | § 115.111(a)(1)   | Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.                           | [G]§ 115.117  | § 115.118(a)(1)<br>§ 115.118(a)(5)<br>§ 115.118(a)(7)  | None   |
| GRPMID3-2                 | EU                      | Primary       | 112(B) HAPS | 40 CFR Part 63, Subpart U             | § 63.484(a)<br>§ 63.119(a)(3)<br>[G]§ 63.481(m)   | For storage vessels at a source, comply with requirements of §63.119 through §63.123 and §63.148, except as noted in § 63.484(c) through (s).   | None  | § 63.123(a)  | § 63.480(g)(6)<br>§ 63.506(e)(6)(vii)<br>§ 63.506(e)(7)(i)<br>[G]§ 63.506(i)   |
| GRPMIDCAP1                | EU                      | Primary       | 112(B) HAPS | 40 CFR Part 63, Subpart U             | § 63.484(a)<br>§ 63.119(a)(3)<br>[G]§ 63.481(m)   | For storage vessels at a source, comply with requirements of §63.119 through §63.123 and §63.148, except as noted in § 63.484(c) through (s).   | None  | § 63.123(a)  | § 63.480(g)(6)<br>§ 63.506(e)(6)(vii)<br>§ 63.506(e)(7)(i)<br>[G]§ 63.506(i)   |
| GRP-PROCVENTS             | EP                      | R1111-1       | Opacity     | 30 TAC Chapter 111, Visible Emissions | § 111.111(a)(1)(A)<br>§ 111.111(a)(1)(E)  | Visible emissions from any stationary vent shall not exceed an opacity of 30% averaged over a six minute period.  | [G]§ 111.111(a)(1)(F)<br>** See Periodic Monitoring Summary   | None   | None   |
| GRP-UDRYERS               | PRO                     | 63U           | 112(B) HAPS | 40 CFR Part 63, Subpart U             | § 63.494(a)<br>[G]§ 63.481(m)<br>§ 63.494(a)(1)(i)<br>[G]§ 63.494(a)(4)<br>§ 63.495(a)<br>§ 63.495(g)<br>§ 63.495(g)(1)<br>[G]§ 63.495(g)(2)<br>§ 63.495(g)(4)<br>§ 63.495(g)(5)<br>§ 63.498(a)(4)<br>§ 63.500(a)<br>§ 63.500(a)(1)<br>§ 63.500(a)(3) | The monthly weighted average residual organic HAP content of all grades of elastomer processed, measured as specified, shall not exceed the limits provided in § 63.494(a)(1)-(a)(4). | § 63.495(b)(2)(ii)<br>§ 63.495(b)(4)<br>§ 63.495(b)(5)<br>[G]§ 63.495(d)(1)<br>[G]§ 63.495(e)<br>§ 63.495(f)<br>§ 63.500(c)<br>§ 63.500(c)(2)<br>§ 63.500(c)(2)(i)<br>§ 63.500(c)(2)(ii)<br>§ 63.500(c)(2)(iii)<br>[G]§ 63.500(c)(2)(iv)<br>§ 63.500(e)(2)(i)<br>§ 63.506(d)(1) | § 63.495(b)(4)<br>§ 63.495(g)(1)<br>[G]§ 63.495(g)(2)<br>§ 63.495(g)(3)<br>§ 63.495(g)(4)<br>§ 63.495(g)(5)<br>§ 63.498(a)<br>§ 63.498(a)(1)<br>§ 63.498(a)(2)<br>§ 63.498(a)(3)<br>§ 63.498(b)<br>§ 63.498(b)(1)<br>§ 63.498(b)(1)(i)<br>§ 63.498(b)(1)(ii) | § 63.495(g)(1)<br>§ 63.495(g)(5)<br>[G]§ 63.499(a)<br>§ 63.499(f)<br>§ 63.500(e)<br>§ 63.500(e)(1)<br>§ 63.500(e)(2)(ii)<br>§ 63.505(j)<br>§ 63.506(e)(6)(iii)(D)(4)<br>[G]§ 63.506(i) |



### Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant   | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation                   | Textual Description (See Special Term and Condition 1.B.)   | Monitoring And Testing Requirements   | Recordkeeping Requirements<br>(30 TAC § 122.144)  | Reporting Requirements<br>(30 TAC § 122.145)   |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|---|---|---|---|--|
|                           |                         |               |             |                                       | § 63.505(j)<br>§ 63.506(e)(1)   |   | § 63.506(d)(3)<br>§ 63.506(d)(3)(i)   | § 63.498(b)(1)(iii)<br>§ 63.498(b)(1)(iii)(A)<br>§ 63.498(b)(1)(iv)<br>§ 63.498(b)(2)<br>§ 63.498(b)(3)<br>§ 63.498(e)<br>§ 63.500(c)(2)(v)<br>[G]§ 63.500(d)<br>§ 63.506(d)<br>§ 63.506(d)(2)<br>§ 63.506(d)(6)<br>[G]§ 63.506(d)(7)<br>§ 63.506(d)(8) |  |
| S-8CCVENT1                | EP                      | Primary       | VOC         | 30 TAC Chapter 115, Vent Gas Controls | § 115.127(a)(2)(A)<br>[G]§ 115.122(a)(4)<br>§ 115.127(a)(2)                         | A vent gas stream having a combined weight of volatile organic compounds (VOC) < 100 lbs (45.4 kg) in any continuous 24-hour period is exempt from the requirements of § 115.121(a)(1). | [G]§ 115.125<br>§ 115.126(2)<br>§ 115.126(3)(B)   | § 115.126<br>§ 115.126(2)<br>§ 115.126(3)<br>§ 115.126(3)(B)  | None   |
| S-8CCVENT1                | EP                      | Primary       | 112(B) HAPS | 40 CFR Part 63, Subpart U             | § 63.486(a)<br>[G]§ 63.481(m)<br>[G]§ 63.487(a)(1)<br>§ 63.504(c)<br>§ 63.506(e)(1) | Batch front-end process vents at affected sources shall comply with requirements in § 63.487 through § 63.492.  | § 63.11(b)(4)<br>§ 63.11(b)(6)<br>§ 63.11(b)(7)(i)<br>§ 63.11(b)(7)(iii)<br>§ 63.11(b)(8)<br>§ 63.489(a)<br>§ 63.489(a)(1)<br>§ 63.489(b)<br>§ 63.489(b)(2)<br>§ 63.489(d)(2)<br>§ 63.504(c)(1)<br>§ 63.504(c)(2)<br>§ 63.504(c)(3) | § 63.489(d)(2)<br>[G]§ 63.491(b)(3)<br>§ 63.491(c)<br>§ 63.491(e)(1)<br>§ 63.491(e)(1)(i)<br>[G]§ 63.491(e)(2)<br>§ 63.491(e)(4)(i)<br>§ 63.491(e)(5)   | § 63.492(a)<br>§ 63.492(a)(1)<br>§ 63.492(f)(2)<br>§ 63.506(e)(5)(ii)(D)<br>[G]§ 63.506(i) |
| GRP-VENTC                 | EP                      | Primary       | VOC         | 30 TAC Chapter 115, Vent Gas Controls | § 115.127(a)(2)(A)<br>[G]§ 115.122(a)(4)<br>§ 115.127(a)(2)                         | A vent gas stream having a combined weight of volatile organic compounds (VOC) < 100 lbs (45.4 kg) in any   | [G]§ 115.125<br>§ 115.126(2)  | § 115.126<br>§ 115.126(2)<br>§ 115.126(4)   | None   |

### Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation   | Textual Description (See Special Term and Condition 1.B.)   | Monitoring And Testing Requirements  | Recordkeeping Requirements<br>(30 TAC § 122.144)             | Reporting Requirements<br>(30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|---|---|--|--|--|
|                           |                         |               |           |                                       |   | continuous 24-hour period is exempt from the requirements of § 115.121(a)(1).   |  |  |  |
| PLANTFLARE                | EU                      | Primary       | Opacity   | 30 TAC Chapter 111, Visible Emissions | § 111.111(a)(4)(A)  | Visible emissions from a process gas flare shall not be permitted for more than five minutes in any two-hour period, except for upset emissions as provided in §101.222(b).   | § 111.111(a)(4)(A)(i)<br>§ 111.111(a)(4)(A)(ii)                                | § 111.111(a)(4)(A)(ii)                                       | None   |
| PLANTFLARE                | CD                      | Primary       | Opacity   | 40 CFR Part 60, Subpart A             | § 60.18(b)<br>§ 60.18(c)(1)<br>§ 60.18(c)(2)<br>§ 60.18(c)(3)(iii)<br>§ 60.18(c)(4)(i)<br>§ 60.18(c)(6)<br>§ 60.18(e) | Flares shall comply with paragraphs (c)-(f) of § 60.18.   | § 60.18(d)<br>§ 60.18(f)(1)<br>§ 60.18(f)(2)<br>§ 60.18(f)(3)<br>§ 60.18(f)(4) | None   | None   |
| S-7CDVENT                 | EP                      | R5121-1       | VOC       | 30 TAC Chapter 115, Vent Gas Controls | § 115.122(a)(1)<br>§ 115.121(a)(1)<br>§ 115.122(a)(1)(B)<br>§ 60.18   | Vent gas streams affected by §115.121(a)(1) must be controlled properly with a control efficiency of at least 90% or to a volatile organic compound (VOC) concentration of no more than 20 parts per million (ppmv) (on a dry basis corrected to 3.0% oxygen for combustion devices). | [G]§ 115.125<br>§ 115.126(1)<br>§ 115.126(1)(B)<br>§ 115.126(2)                | § 115.126<br>§ 115.126(1)<br>§ 115.126(1)(B)<br>§ 115.126(2) | None   |
| S-7CDVENT                 | EP                      | R5121-2       | VOC       | 30 TAC Chapter 115, Vent Gas Controls | § 115.122(a)(1)<br>§ 115.121(a)(1)<br>§ 115.122(a)(1)(B)<br>§ 60.18   | Vent gas streams affected by §115.121(a)(1) must be controlled properly with a control efficiency of at least 90% or to a volatile organic compound (VOC) concentration of no more than 20 parts per million (ppmv)   | [G]§ 115.125<br>§ 115.126(1)<br>§ 115.126(1)(B)<br>§ 115.126(2)                | § 115.126<br>§ 115.126(1)<br>§ 115.126(1)(B)<br>§ 115.126(2) | None   |

### Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant   | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation   | Textual Description (See Special Term and Condition 1.B.)   | Monitoring And Testing Requirements  | Recordkeeping Requirements<br>(30 TAC § 122.144)   | Reporting Requirements<br>(30 TAC § 122.145)  |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|---|---|--|--|---|
|                           |                         |               |             |                                       |   | (on a dry basis corrected to 3.0% oxygen for combustion devices).   |  |  |   |
| S-7CDVENT                 | PRO                     | Primary       | 112(B) HAPS | 40 CFR Part 63, Subpart U             | § 63.485(a)<br>[G]§ 63.113(a)(1)<br>§ 63.113(h)<br>[G]§ 63.481(m)<br>§ 63.504(c)<br>§ 63.506(e)(1)  | For each continuous front-end process vent located at an affected source, the owner or operator shall comply with §§63.113-63.118, except as provided for in § 63.485(b)-(v).                             | § 63.11(b)(4)<br>§ 63.11(b)(6)<br>§ 63.11(b)(7)(i)<br>§ 63.11(b)(7)(iii)<br>§ 63.11(b)(8)<br>§ 63.114(a)<br>§ 63.114(a)(2)<br>§ 63.114(e)<br>[G]§ 63.115(a)<br>§ 63.116(a)<br>§ 63.504(c)(1)<br>§ 63.504(c)(2)<br>§ 63.504(c)(3) | [G]§ 63.117(a)(5)<br>§ 63.118(a)(1)<br>§ 63.118(a)(2)  | § 63.114(e)<br>[G]§ 63.117(a)(5)<br>§ 63.117(f)<br>§ 63.118(f)(1)<br>§ 63.118(f)(2)<br>§ 63.118(f)(3)<br>§ 63.118(f)(5)<br>[G]§ 63.485(l)<br>[G]§ 63.506(i) |
| SERVUMP                   | EU                      | 63ZZZZ        | 112(B) HAPS | 40 CFR Part 63, Subpart ZZZZ          | § 63.6602-Table2c.2<br>§ 63.6595(a)(1)<br>§ 63.6605(a)<br>§ 63.6605(b)<br>§ 63.6625(e)<br>§ 63.6625(h)<br>§ 63.6625(i)  | For each existing non-emergency, non-black start stationary CI RICE with a site rating less than 100 HP, located at a major source, you must comply with the requirements as specified in Table 2c.2.a-c. | § 63.6625(i)<br>§ 63.6640(a)<br>§ 63.6640(a)-Table6.9.a.i<br>§ 63.6640(a)-Table6.9.a.ii  | § 63.6625(i)<br>§ 63.6655(d)<br>§ 63.6655(e)<br>§ 63.6660(a)<br>§ 63.6660(b)<br>§ 63.6660(c)                 | § 63.6640(e)<br>§ 63.6650(f)  |
| UTILGEN2                  | EU                      | 63ZZZZ        | 112(B) HAPS | 40 CFR Part 63, Subpart ZZZZ          | § 63.6602-Table2c.1<br>§ 63.6595(a)(1)<br>§ 63.6605(a)<br>§ 63.6605(b)<br>§ 63.6625(e)<br>§ 63.6625(h)<br>§ 63.6625(i)<br>§ 63.6640(f)(1)<br>§ 63.6640(f)(2)<br>§ 63.6640(f)(2)(i)<br>§ 63.6640(f)(3) | For each existing emergency stationary CI RICE and black start stationary CI RICE, located at a major source, you must comply with the requirements as specified in Table 2c.1.a-c.                       | § 63.6625(f)<br>§ 63.6625(i)<br>§ 63.6640(a)<br>§ 63.6640(a)-Table6.9.a.i<br>§ 63.6640(a)-Table6.9.a.ii  | § 63.6625(i)<br>§ 63.6655(d)<br>§ 63.6655(e)<br>§ 63.6655(f)<br>§ 63.6660(a)<br>§ 63.6660(b)<br>§ 63.6660(c) | § 63.6640(e)<br>§ 63.6650(f)  |

**Additional Monitoring Requirements**

**Periodic Monitoring Summary ..... 43**

### Periodic Monitoring Summary

| Unit/Group/Process Information   |                                   |
|--|-----------------------------------|
| ID No.: GRP-DRYER  |                                   |
| Control Device ID No.: N/A   | Control Device Type: N/A          |
| Applicable Regulatory Requirement  |                                   |
| Name: 30 TAC Chapter 111, Visible Emissions  | SOP Index No.: R1111-1            |
| Pollutant: Opacity   | Main Standard: § 111.111(a)(1)(A) |
| Monitoring Information   |                                   |
| Indicator: Visible Emissions   |                                   |
| Minimum Frequency: once per quarter  |                                   |
| Averaging Period: n/a  |                                   |
| Deviation Limit: Visible Emissions   |                                   |
| <p>Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor.</p> <p>If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If a Test Method 9 is performed, the opacity limit is the corresponding opacity limit associated with the particulate matter standard in the underlying applicable requirement. If there is no corresponding opacity limit in the underlying applicable requirement, the maximum opacity will be established using the most recent performance test. If the result of the Test Method 9 is opacity above the corresponding opacity limit (associated with the particulate matter standard in the underlying applicable requirement or as identified as a result of a previous performance test to establish the maximum opacity limit), the permit holder shall report a deviation.</p> |                                   |

### Periodic Monitoring Summary

| Unit/Group/Process Information   |                                   |
|--|-----------------------------------|
| ID No.: GRP-PROCVENTS  |                                   |
| Control Device ID No.: N/A   | Control Device Type: N/A          |
| Applicable Regulatory Requirement  |                                   |
| Name: 30 TAC Chapter 111, Visible Emissions  | SOP Index No.: R1111-1            |
| Pollutant: Opacity   | Main Standard: § 111.111(a)(1)(A) |
| Monitoring Information   |                                   |
| Indicator: Visible Emissions   |                                   |
| Minimum Frequency: once per quarter  |                                   |
| Averaging Period: n/a  |                                   |
| Deviation Limit: Visible Emissions   |                                   |
| <p>Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor.</p> <p>If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If a Test Method 9 is performed, the opacity limit is the corresponding opacity limit associated with the particulate matter standard in the underlying applicable requirement. If there is no corresponding opacity limit in the underlying applicable requirement, the maximum opacity will be established using the most recent performance test. If the result of the Test Method 9 is opacity above the corresponding opacity limit (associated with the particulate matter standard in the underlying applicable requirement or as identified as a result of a previous performance test to establish the maximum opacity limit), the permit holder shall report a deviation.</p> |                                   |

**New Source Review Authorization References**

|  |           |
|--|-----------|
| <b>New Source Review Authorization References .....</b>                  | <b>46</b> |
| <b>New Source Review Authorization References by Emission Unit .....</b> | <b>47</b> |

### New Source Review Authorization References

The New Source Review authorizations listed in the table below are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

| <b>Title 30 TAC Chapter 116 Permits, Special Permits, and Other Authorizations (Other Than Permits By Rule, PSD Permits, or NA Permits) for the Application Area.</b> |                              |
|---|------------------------------|
| Authorization No.: 4132A  | Issuance Date: 08/15/2013    |
| Authorization No.: 74010  | Issuance Date: 03/24/2015    |
| Authorization No.: 9908   | Issuance Date: 06/15/2010    |
| <b>Permits By Rule (30 TAC Chapter 106) for the Application Area</b>  |                              |
| Number: 106.452   | Version No./Date: 09/04/2000 |
| Number: 106.454   | Version No./Date: 11/01/2001 |
| Number: 106.478   | Version No./Date: 09/04/2000 |
| Number: 106.511   | Version No./Date: 09/04/2000 |
| Number: 106.512   | Version No./Date: 03/14/1997 |
| Number: 106.512   | Version No./Date: 06/13/2001 |



### New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

| Unit/Group/Process ID No. | Emission Unit Name/Description              | New Source Review Authorization |
|---------------------------|---|---------------------------------|
| 39-0013                   | 6D OIL STG TANK 1                           | 9908                            |
| 39-0014                   | 6D OIL STG TANK 2                           | 9908                            |
| 39-0015                   | 6D OIL STG TANK 3                           | 9908                            |
| 39-0016                   | 6D OIL STG TANK 4                           | 9908                            |
| 39-0059                   | 6C DILUTE COAGULATION AID                   | 9908                            |
| 39-0061                   | 6C CONCENTRATED AMINE STORAGE TANK          | 9908                            |
| 39-0068                   | 6D COAGULATION AID STORAGE TK               | 9908                            |
| 39-0142                   | 9D LOMAR STG TANK 2                         | 9908                            |
| 39-0143                   | 9D TKPP STORAGE TANK                        | 9908                            |
| 39-0149                   | 9D WESTVACO STG TANK 1                      | 9908                            |
| 39-0150                   | 9D LOMAR STG TANK 1                         | 9908                            |
| 39-0167                   | 9C ROSIN SOAP WEIGH TANK                    | 9908                            |
| 39-0171                   | 9D OXIDANT BULK STG TANK                    | 9908                            |
| 39-0176                   | 9C ACTIVATOR DUMP TANK                      | 9908                            |
| 39-0188                   | C/D PTF FLEXZONE STG TK                     | 9908                            |
| 39-0189                   | C/D PTF RAW ROSIN ACID STG TANK 4           | 9908                            |
| 39-0190                   | C/D PTF RAW ROSIN ACID STG TANK 3           | 9908                            |
| 39-0193                   | C/D PTF SULFOLE MODIFIER STG TK             | 9908                            |
| 39-0194                   | C/D PTF SDD SHORTSTOP STG TK                | 9908                            |
| 39-0195                   | C/D PTF RAW WOOD ROSIN STG TANK 1           | 9908                            |
| 39-0213                   | C/D UNLOADING AREA RAW LIGHT OIL STG TANK 1 | 9908                            |

### New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

| Unit/Group/Process ID No. | Emission Unit Name/Description                 | New Source Review Authorization |
|---------------------------|--|---------------------------------|
| 39-0214                   | C/D UNLOADING AREA RAW DARK OIL STG TANK 2     | 9908                            |
| 39-0215                   | C/D UNLOADING AREA RAW DARK OIL STG TANK 3     | 9908                            |
| 39-0216                   | C/D UNLOADING AREA RAW LIGHT OIL STG TANK 4    | 9908                            |
| 39-0217                   | C/D UNLOADING AREA RAW DARK OIL STG TANK 5     | 9908                            |
| 39-0219                   | C/D UNLOADING AREA RAW ACOSIX STG TANK         | 9908                            |
| 39-0294                   | 6CC PERCHEM TK (J-LINE,NORTH TANK)             | 9908                            |
| 39-0295                   | 6CC BRINE STG TK #2(I-LINE,SOUTH TANK)         | 9908                            |
| 39-0327                   | 8CC USED OIL TANK, EAST                        | 9908                            |
| 39-0365                   | C/D PTF DVB STG TK                             | 9908                            |
| 39-0366                   | C/D PTF DDM MODIFIER STG TK                    | 9908                            |
| 39-0372                   | A/B PTF HTFA STG TK                            | 9908                            |
| 39-0374                   | A/B PTF NON-STAINING RAW OIL STG TANK          | 9908                            |
| 39-0381                   | A/B UNLOADING AREA STAINING RAW OIL STG TANK 1 | 9908                            |
| 39-0382                   | A/B UNLOADING AREA STAINING RAW OIL STG TANK 2 | 9908                            |
| 40-0013                   | 6C DILUTE COAGULATION ACID MAKEUP TK           | 9908                            |
| 40-0014                   | 6C DILUTE COAGULATION AID SUPPLY TK, G/H       | 9908                            |
| 40-0035                   | 6D BLEND AO TANK,#2(SOUTH)                     | 9908                            |
| 40-0036                   | 6C BLEND AO TANK,#1(NORTH)                     | 9908                            |
| 40-0037                   | 6D BLEND AO TANK,#1(NORTH)                     | 9908                            |
| 40-0038                   | 6C BLEND AO TANK,#2(SOUTH)                     | 9908                            |
| 40-0184                   | 9D-1 AO MAKEUP TANK                            | 9908                            |

### New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

| Unit/Group/Process ID No. | Emission Unit Name/Description     | New Source Review Authorization |
|---------------------------|------------------------------------|---------------------------------|
| 40-0185                   | 9D-3 AO MAKEUP TANK                | 9908                            |
| 40-0187                   | 9D COMPOSITE MAKEUP TANK           | 9908                            |
| 40-0188                   | 9D LOMAR SOLUTION MAKEUP TANK      | 9908                            |
| 40-0189                   | 9D-2 AO MAKEUP TANK                | 9908                            |
| 40-0192                   | 9D SHORTSTOP MAKEUP TANK           | 9908                            |
| 40-0193                   | 9D SANTOFLEX STORAGE TANK          | 9908                            |
| 40-0195                   | 9D DEFOAMER STG TANK               | 9908                            |
| 40-0197                   | 9D SFS ACTIVATOR MAKEUP TANK       | 9908                            |
| 40-0210                   | 9C-1 AO MAKEUP TANK                | 9908                            |
| 40-0211                   | 9C-2 AO MAKEUP TANK                | 9908                            |
| 40-0213                   | 9C PENNSTOP MAKEUP TANK            | 9908                            |
| 40-0214                   | 9C PERSULFATE ACTIVATOR MAKEUP     | 9908                            |
| 40-0215                   | 9C SHORTSTOP MAKEUP TANK           | 9908                            |
| 40-0216                   | 9C HOT SFS ACTIVATOR MAKEUP TANK   | 9908                            |
| 40-0229                   | C/D SOAP UNIT SOAP MAKEUP TANK 101 | 9908                            |
| 40-0230                   | C/D SOAP UNIT SOAP MAKEUP TANK 102 | 9908                            |
| 40-0231                   | C/D SOAP UNIT SOAP MAKEUP TANK 103 | 9908                            |
| 40-0232                   | C/D SOAP UNIT SOAP MAKEUP TANK 104 | 9908                            |
| 40-0233                   | C/D PTF GELTROL STG TK             | 9908                            |
| 40-0234                   | C/D PTF HTFA STG TK                | 9908                            |
| 40-0235                   | C/D SOAP UNIT SOAP MAKEUP TANK 105 | 9908                            |

### New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

| Unit/Group/Process ID No. | Emission Unit Name/Description                 | New Source Review Authorization |
|---------------------------|--|---------------------------------|
| 40-0251                   | C/D UNLOADING AREA CAUSTIC SOAP MAKEUP TANK    | 9908                            |
| 40-0252                   | C/D UNLOADING AREA DARK OIL EMULSION STG TANK  | 9908                            |
| 40-0253                   | C/D UNLOADING AREA LIGHT OIL EMULSION STG TANK | 9908                            |
| 40-0297                   | 6CC AO TANK #1, SOUTH                          | 9908                            |
| 40-0298                   | 6CC AO TANK #2, NORTH                          | 9908                            |
| AIRCOMP                   | SULL AIR COMPRESSOR                            | 106.512/03/14/1997              |
| BOILER 2                  | 56 MMBTU/HR BOILER                             | 74010                           |
| DOCK FUGT                 | RIVER DOCK FUGITIVES                           | 4132A                           |
| DOCKFLARE                 | RIVER DOCK FLARE                               | 4132A                           |
| EPPU 1                    | POLYMERS AND RESINS PROCESS                    | 9908                            |
| F-7CBASIN                 | FUGITIVES (TANK)                               | 9908                            |
| F-7DBASIN                 | FUGITIVES (TANK)                               | 9908                            |
| F-MONTF                   | MONOMER TANK FARM FUGITIVES                    | 9908                            |
| FPROCESSCC                | PROCESS CC FUGITIVES                           | 9908                            |
| F-PROCESSC                | PROCESS C FUGITIVES                            | 9908                            |
| F-PROCESSD                | PROCESS D FUGITIVES                            | 9908                            |
| F-REACCA                  | CA REACTOR FUGITIVES                           | 9908                            |
| F-REACCB                  | CB REACTOR FUGITIVES                           | 9908                            |
| F-REACCC                  | CC REACTOR FUGITIVES                           | 9908                            |
| F-REACDA                  | DA REACTOR FUGITIVE BUTADIENE                  | 9908                            |
| F-REACDB                  | DB REACTOR FUGITIVES                           | 9908                            |

### New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

| Unit/Group/Process ID No. | Emission Unit Name/Description   | New Source Review Authorization |
|---------------------------|----------------------------------|---------------------------------|
| F-RECOVCA                 | CA RECOVERY FUGITIVES            | 9908                            |
| F-RECOVCB                 | CB RECOVERY FUGITIVES            | 9908                            |
| F-RECOVCC                 | CC RECOVERY FUGITIVES            | 9908                            |
| F-RECOVDA                 | DA RECOVERY FUGITIVES            | 9908                            |
| F-RECOVDB                 | DB RECOVERY FUGITIVES            | 9908                            |
| F-RFBASIN                 | RUBBER FINES PIT FUG EMISSION    | 9908                            |
| F-SKIM                    | SKIMMER PIT FUG EMISSIONS (TANK) | 9908                            |
| F-TFLIFT                  | LIFT FUGITIVES (TANK)            | 9908                            |
| FWPUMP                    | DIESEL FIREWATER PUMP            | 106.511/09/04/2000              |
| PLANTFLARE                | COPOLYMER FLARE                  | 9908                            |
| S-0173VENT                | 8DA STYRENE SURGE TANK VENT      | 106.478/09/04/2000              |
| S-0174VENT                | 8DB STYRENE SURGE TANK VENT      | 106.478/09/04/2000              |
| S-0175VENT                | 8CA STYRENE SURGE TANK VENT      | 106.478/09/04/2000              |
| S-0176VENT                | 8CB STYRENE SURGE TANK VENT      | 106.478/09/04/2000              |
| S-0396VENT                | 8CC STYRENE SURGE TANK VENT      | 106.478/09/04/2000              |
| S-7CDVENT                 | RECOVERY VENT BYPASS, AREAS C    | 9908                            |
| S-8CCVENT1                | 8 CC REACTOR 510 BATCH/CONT      | 9908                            |
| S-DRYERA                  | PROCESS DRYER A STACK            | 9908                            |
| S-DRYERB                  | PROCESS DRYER B STACK            | 9908                            |
| S-DRYERC                  | PROCESS DRYER C STACK            | 9908                            |
| S-DRYERD                  | PROCESS DRYER D STACK            | 9908                            |

### **New Source Review Authorization References by Emissions Unit**

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

| <b>Unit/Group/Process<br/>ID No.</b> | <b>Emission Unit Name/Description</b> | <b>New Source Review Authorization</b> |
|--------------------------------------|---------------------------------------|--|
| S-DRYERE                             | PROCESS DRYER E STACK                 | 9908                                   |
| S-DRYERF                             | PROCESS DRYER F STACK                 | 9908                                   |
| S-DRYERG                             | PROCESS DRYER G STACK                 | 9908                                   |
| S-DRYERH                             | PROCESS DRYER H STACK                 | 9908                                   |
| S-DRYERI                             | PROCESS DRYER I STACK                 | 9908                                   |
| S-DRYERJ                             | PROCESS DRYER J STACK                 | 9908                                   |
| SERVUMP                              | SERVICE PUMP                          | 106.512/06/13/2001                     |
| UTILGEN2                             | UTILITIES - 350 KW GENERATOR          | 106.511/09/04/2000                     |

**Appendix A**

**Acronym List ..... 54**

## Acronym List

The following abbreviations or acronyms may be used in this permit:

|                  |   |
|------------------|---|
| ACFM             | actual cubic feet per minute  |
| AMOC             | alternate means of control  |
| ARP              | Acid Rain Program   |
| ASTM             | American Society of Testing and Materials                                 |
| B/PA             | Beaumont/Port Arthur (nonattainment area)                                 |
| CAM              | Compliance Assurance Monitoring   |
| CD               | control device  |
| CEMS             | continuous emissions monitoring system                                    |
| CFR              | Code of Federal Regulations   |
| COMS             | continuous opacity monitoring system                                      |
| CVS              | closed vent system  |
| D/FW             | Dallas/Fort Worth (nonattainment area)                                    |
| EP               | emission point  |
| EPA              | U.S. Environmental Protection Agency                                      |
| EU               | emission unit   |
| FCAA Amendments  | Federal Clean Air Act Amendments  |
| FOP              | federal operating permit  |
| gr/100 scf       | grains per 100 standard cubic feet  |
| HAP              | hazardous air pollutant   |
| H/G/B            | Houston/Galveston/Brazoria (nonattainment area)                           |
| H <sub>2</sub> S | hydrogen sulfide  |
| ID No.           | identification number   |
| lb/hr            | pound(s) per hour   |
| MACT             | Maximum Achievable Control Technology (40 CFR Part 63)                    |
| MMBtu/hr         | Million British thermal units per hour                                    |
| NA               | nonattainment   |
| N/A              | not applicable  |
| NADB             | National Allowance Data Base  |
| NESHAP           | National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61) |
| NO <sub>x</sub>  | nitrogen oxides   |
| NSPS             | New Source Performance Standard (40 CFR Part 60)                          |
| NSR              | New Source Review   |
| ORIS             | Office of Regulatory Information Systems                                  |
| Pb               | lead  |
| PBR              | Permit By Rule  |
| PEMS             | predictive emissions monitoring system                                    |
| PM               | particulate matter  |
| ppmv             | parts per million by volume   |
| PRO              | process unit  |
| PSD              | prevention of significant deterioration                                   |
| psia             | pounds per square inch absolute   |
| SIP              | state implementation plan   |
| SO <sub>2</sub>  | sulfur dioxide  |
| TCEQ             | Texas Commission on Environmental Quality                                 |
| TSP              | total suspended particulate   |
| TVP              | true vapor pressure   |
| U.S.C.           | United States Code  |
| VOC              | volatile organic compound   |